

Supplement: Atmospheric Mixing Ratio Data

In the following are listed all used atmospheric mixing ratio data (Table S4) of bromoform, dibromomethane and methyl iodide from the HalOcAt database project (<https://halocat.geomar.de/>). The data is uniquely marked with an identifier. Based on the identifier the corresponding metadata information is presented above in Table S5.

Table S4. Atmospheric mixing ratios of CHBr_3 , CH_2Br_2 and CH_3I data in ppt from the HalOcAt database project including sample depth in meter, latitude in °N, longitude in °E and an identifier. Based on the identifier metadata information to the corresponding dataset is available (Table S5).

Identifier	Latitude [°N]	Longitude [°E]	CHBr_3 [ppt]	CH_2Br_2 [ppt]	CH_3I [ppt]	Sample Depth [m]
1	11.42	-62.66	1.01	0.87	1.07	-999
1	11.22	-61.86	1.01	0.84	1.12	-999
1	11.00	-61.00	0.75	0.77	1.28	-999
1	11.00	-59.12	0.59	0.77	1.10	-999
1	11.00	-58.40	0.55	0.73	1.08	-999
1	11.00	-57.58	0.58	0.74	1.27	-999
1	11.00	-56.64	0.54	0.72	1.11	-999
1	11.00	-56.15	0.56	0.74	1.08	-999
1	10.94	-55.28	0.61	0.74	1.32	-999
1	10.73	-54.45	0.57	0.74	1.44	-999
1	10.55	-53.73	0.58	0.78	1.45	-999
1	10.41	-53.13	0.60	0.75	1.18	-999
1	10.29	-52.66	0.63	0.78	1.21	-999
1	10.11	-51.93	0.69	0.79	1.27	-999
1	10.00	-51.41	0.67	0.78	1.20	-999
1	10.00	-51.41	0.72	0.80	1.33	-999
1	10.00	-50.71	0.68	0.78	0.98	-999
1	10.00	-50.35	0.71	0.81	0.82	-999
1	10.00	-48.85	0.59	0.77	0.80	-999
1	10.00	-48.06	0.60	0.76	1.73	-999
1	10.00	-47.36	0.55	0.76	0.93	-999
1	10.00	-45.70	0.78	0.83	1.00	-999
1	10.00	-44.93	0.71	0.78	1.43	-999
1	10.00	-44.24	0.84	0.83	1.65	-999
1	10.00	-44.75	0.89	0.81	1.53	-999
1	10.00	-42.60	0.84	0.84	1.15	-999
1	10.00	-41.28	0.79	0.84	1.04	-999
1	10.00	-41.73	0.88	0.82	1.04	-999
1	10.00	-40.58	0.77	0.82	1.11	-999
1	10.00	-40.89	0.66	0.81	1.03	-999
1	10.00	-39.64	0.95	0.85	1.40	-999
1	10.00	-40.13	1.17	0.90	1.46	-999
1	10.00	-38.99	1.13	0.92	1.39	-999
1	10.00	-39.11	1.02	0.89	1.40	-999

1	10.00	-38.57	2.11	0.91	1.74	-999
1	10.01	-38.89	1.85	0.90	1.77	-999
1	10.00	-37.91	1.21	0.84	1.38	-999
1	10.00	-37.32	1.18	0.86	1.36	-999
1	10.00	-37.87	1.17	0.87	1.42	-999
1	10.03	-36.22	3.92	0.86	1.12	-999
1	10.00	-36.23	3.08	0.83	1.01	-999
1	10.00	-35.64	5.57	1.04	1.53	-999
1	10.00	-34.10	1.46	0.85	1.38	-999
1	10.00	-33.40	2.73	1.04	1.91	-999
1	10.00	-32.69	6.08	1.09	1.47	-999
1	10.01	-32.07	2.83	1.04	1.58	-999
1	10.00	-32.15	2.21	0.92	1.44	-999
1	10.00	-31.15	2.68	1.05	1.74	-999
1	10.00	-30.28	3.87	1.10	1.61	-999
1	10.00	-30.28	3.98	1.17	1.81	-999
1	10.00	-29.70	6.15	1.25	1.62	-999
1	10.00	-28.44	1.66	0.85	0.84	-999
1	10.00	-26.76	3.81	0.94	1.05	-999
1	9.18	-26.61	2.69	0.83	1.14	-999
1	8.36	-26.55	2.29	0.86	1.13	-999
1	6.87	-26.45	3.08	0.79	0.97	-999
1	6.08	-26.40	2.46	0.79	0.83	-999
1	5.44	-26.36	1.84	0.82	0.65	-999
1	4.92	-26.32	1.42	0.83	0.63	-999
1	4.92	-26.32	0.00	0.00	0.00	-999
1	4.51	-26.30	1.61	0.89	0.78	-999
1	3.51	-26.23	1.86	0.89	1.09	-999
1	2.64	-26.17	4.17	1.04	1.06	-999
1	1.64	-26.11	1.82	0.98	0.58	-999
1	0.73	-26.05	2.38	1.03	1.11	-999
1	0.00	-26.00	2.91	0.99	1.12	-999
1	0.00	-26.00	2.90	1.01	1.17	-999
1	0.00	-26.00	3.85	1.02	1.21	-999
1	0.00	-25.78	4.28	1.04	1.18	-999
1	0.00	-25.46	4.39	0.98	1.09	-999
1	0.00	-25.46	4.28	0.99	1.05	-999
1	0.00	-25.18	3.20	0.97	0.93	-999
1	0.00	-24.94	3.65	1.00	1.11	-999
1	0.00	-24.71	2.69	0.95	0.94	-999
1	0.00	-24.46	2.61	1.00	1.08	-999
1	0.00	-24.46	2.53	0.97	1.05	-999
1	0.00	-24.21	2.55	1.00	1.85	-999
1	0.00	-23.99	2.69	0.98	1.20	-999
1	0.00	-23.77	2.46	1.00	1.28	-999
1	0.00	-23.56	2.46	1.02	1.30	-999
1	0.00	-23.50	2.69	1.03	1.55	-999

1	0.03	-23.49	3.24	1.02	1.06	-999
1	0.14	-23.50	2.51	1.06	1.39	-999
1	1.12	-23.50	2.24	1.02	1.44	-999
1	1.95	-23.50	2.67	1.05	1.42	-999
1	2.65	-23.54	2.46	1.04	1.24	-999
1	3.52	-23.70	1.90	0.95	1.10	-999
1	4.46	-23.87	1.43	0.93	1.10	-999
1	5.29	-24.03	2.00	0.95	1.17	-999
1	5.97	-24.15	2.34	0.85	1.00	-999
1	6.50	-24.24	1.55	0.85	1.30	-999
1	7.36	-24.41	1.46	0.88	1.20	-999
1	8.37	-24.60	1.49	0.90	0.91	-999
1	9.00	-24.72	2.17	0.95	1.18	-999
1	9.68	-24.85	2.83	1.30	1.74	-999
1	10.19	-24.94	3.73	1.58	2.20	-999
1	10.53	-24.91	3.55	1.60	2.38	-999
1	10.81	-24.09	4.50	1.75	2.33	-999
1	11.00	-23.40	2.95	1.49	2.02	-999
1	11.00	-23.13	2.96	1.55	2.09	-999
1	11.00	-22.83	3.08	1.59	1.91	-999
1	11.00	-22.44	3.35	1.72	1.84	-999
1	11.00	-22.10	3.34	1.68	2.11	-999
1	11.00	-21.77	2.99	1.49	1.88	-999
1	11.00	-21.67	3.51	1.64	2.19	-999
1	11.00	-21.27	8.34	1.98	2.59	-999
1	11.00	-20.73	4.51	1.71	2.12	-999
1	11.03	-20.23	3.47	1.40	1.63	-999
1	11.18	-19.77	3.06	1.56	2.19	-999
1	11.32	-19.31	2.84	1.45	1.81	-999
1	11.43	-18.97	3.84	1.45	1.96	-999
1	11.50	-18.73	3.51	1.43	1.84	-999
1	11.80	-17.95	4.05	1.48	1.96	-999
1	11.70	-17.50	2.94	1.37	1.84	-999
1	11.08	-17.21	2.72	1.17	1.87	-999
1	10.59	-17.07	6.99	1.23	2.29	-999
1	10.97	-17.60	5.74	1.27	1.96	-999
1	11.03	-17.70	2.79	1.22	1.94	-999
1	11.01	-18.37	6.60	1.61	1.79	-999
1	11.00	-18.79	3.44	1.40	1.79	-999
1	11.00	-19.30	11.78	1.91	2.02	-999
1	11.00	-19.75	3.64	1.43	1.82	-999
1	11.04	-20.00	5.71	1.40	2.00	-999
1	11.00	-20.42	3.98	1.35	1.74	-999
1	11.00	-20.01	4.53	1.48	2.18	-999
1	10.89	-19.92	4.15	1.63	1.94	-999
1	10.08	-19.46	27.19	4.65	3.04	-999
1	9.31	-19.00	10.54	2.60	2.76	-999

1	8.92	-18.79	6.79	1.42	2.44	-999
1	8.39	-18.49	1.97	0.92	1.88	-999
1	7.66	-17.76	1.78	0.83	1.31	-999
1	7.00	-17.08	1.40	0.87	1.49	-999
1	6.42	-16.39	4.33	0.98	1.24	-999
1	6.08	-15.84	1.19	0.89	1.70	-999
1	5.77	-14.99	1.03	0.88	1.19	-999
1	5.40	-13.95	1.01	0.86	1.16	-999
1	4.75	-12.15	1.27	0.84	0.95	-999
1	4.44	-11.29	1.13	0.92	1.31	-999
1	4.09	-10.32	0.94	0.90	1.09	-999
1	3.70	-9.23	5.54	0.91	0.84	-999
1	3.73	-9.31	5.81	0.89	0.80	-999
1	3.53	-8.37	1.71	0.97	1.46	-999
1	3.49	-7.31	1.39	0.97	1.39	-999
1	3.51	-6.07	1.18	0.93	1.39	-999
1	3.53	-5.02	4.03	0.96	1.49	-999
1	3.55	-4.05	1.72	0.93	1.55	-999
1	3.57	-2.96	1.33	0.95	1.82	-999
1	3.59	-1.78	1.29	0.92	1.53	-999
1	-999	-999	5.13	0.95	1.16	-999
2	48.72	-8.88	0.54	0.70	0.64	-999
2	48.61	-9.30	0.61	1.25	0.96	-999
2	48.54	-9.73	0.61	0.97	1.30	-999
2	48.31	-10.07	0.60	0.98	1.09	-999
2	48.06	-10.41	0.59	0.85	0.60	-999
2	47.83	-10.77	0.60	1.05	1.47	-999
2	47.59	-11.14	0.58	0.93	2.41	-999
2	47.36	-11.50	0.61	0.90	2.56	-999
2	47.15	-11.87	0.60	0.92	2.11	-999
2	46.90	-12.21	0.62	0.94	1.32	-999
2	46.66	-12.57	0.60	0.85	1.26	-999
2	46.49	-12.83	0.62	0.66	1.40	-999
2	46.26	-13.18	0.56	1.22	1.03	-999
2	46.04	-13.52	0.55	0.77	2.10	-999
2	45.81	-13.84	0.55	0.79	1.26	-999
2	45.45	-14.35	0.52	0.70	1.80	-999
2	45.26	-14.63	0.54	0.90	0.75	-999
2	45.16	-14.78	0.56	0.95	0.27	-999
2	45.04	-14.93	0.65	1.16	0.30	-999
2	44.94	-15.09	0.59	1.29	0.59	-999
2	44.83	-15.28	0.64	0.96	1.07	-999
2	44.76	-15.47	0.63	1.23	0.31	-999
2	44.80	-15.63	0.59	0.59	1.23	-999
2	44.80	-15.82	0.59	1.15	0.91	-999
2	44.79	-16.01	0.60	1.19	2.13	-999
2	44.78	-16.21	0.55	1.01	1.21	-999

2	44.67	-16.49	0.60	1.05	1.13	-999
2	44.50	-16.80	0.61	0.87	0.92	-999
2	44.35	-17.11	0.58	1.05	0.92	-999
2	44.18	-17.45	0.60	0.99	0.78	-999
2	44.00	-17.71	0.59	0.93	0.70	-999
2	43.73	-18.03	0.59	0.91	0.88	-999
2	43.42	-18.29	-999	-999	-999	-999
2	43.13	-18.55	0.60	0.90	0.78	-999
2	42.86	-18.83	0.61	0.89	0.78	-999
2	42.58	-19.10	0.60	0.93	0.95	-999
2	42.30	-19.35	0.61	1.06	0.84	-999
2	42.08	-19.57	0.59	0.95	0.76	-999
2	41.79	-19.81	0.58	0.99	0.69	-999
2	41.51	-20.06	0.58	1.07	0.73	-999
2	41.25	-20.25	0.58	0.94	0.68	-999
2	41.31	-20.23	0.59	0.96	0.72	-999
2	41.18	-20.23	0.57	1.03	0.68	-999
2	41.18	-20.22	0.55	0.94	0.61	-999
2	41.03	-20.45	0.57	1.03	0.52	-999
2	40.80	-20.78	0.63	0.93	0.74	-999
2	40.56	-21.12	0.67	1.28	0.57	-999
2	40.17	-21.69	0.53	1.05	0.78	-999
2	39.93	-22.04	0.62	1.06	0.65	-999
2	39.68	-22.39	0.61	1.04	0.62	-999
2	39.43	-22.73	0.56	1.01	0.79	-999
2	39.19	-23.07	0.56	0.89	0.79	-999
2	38.95	-23.41	0.53	0.81	0.64	-999
2	38.71	-23.76	0.52	0.91	0.53	-999
2	38.47	-24.10	0.52	0.83	0.40	-999
2	38.23	-24.43	0.52	0.85	0.36	-999
2	37.99	-24.77	0.52	0.89	0.31	-999
2	37.74	-25.11	0.53	0.94	0.40	-999
2	37.69	-25.53	0.56	0.95	0.54	-999
2	37.73	-25.65	0.59	0.96	0.42	-999
2	37.50	-25.70	0.59	0.72	0.41	-999
2	36.14	-25.97	0.60	1.00	0.62	-999
2	35.79	-26.03	0.63	1.04	0.72	-999
2	35.43	-26.10	0.59	0.89	0.57	-999
2	35.07	-26.18	0.50	0.98	0.57	-999
2	34.72	-26.25	0.54	0.92	0.61	-999
2	34.37	-26.33	0.52	0.91	0.68	-999
2	34.04	-26.39	0.54	0.88	0.68	-999
2	33.69	-26.46	0.54	1.02	0.62	-999
2	33.33	-26.51	0.54	0.91	0.79	-999
2	32.97	-26.58	0.57	1.07	0.68	-999
2	32.60	-26.66	0.55	0.86	0.70	-999
2	32.32	-26.73	0.60	1.02	0.61	-999

2	31.97	-26.80	-999	0.90	0.80	-999
2	31.62	-26.84	0.59	0.81	0.72	-999
2	31.27	-26.91	0.59	0.74	0.73	-999
2	30.91	-26.98	0.59	0.71	0.66	-999
2	30.35	-27.09	0.57	0.81	0.71	-999
2	29.99	-27.15	0.59	0.89	0.84	-999
2	29.62	-27.22	0.57	1.01	0.67	-999
2	29.26	-27.29	0.69	0.81	0.67	-999
2	28.90	-27.36	0.62	0.58	0.68	-999
2	28.54	-27.42	0.59	1.11	0.82	-999
2	28.22	-27.48	0.58	1.02	0.71	-999
2	27.86	-27.54	0.61	1.01	0.75	-999
2	27.50	-27.61	0.63	0.99	0.59	-999
2	27.14	-27.68	0.67	0.69	0.53	-999
2	26.79	-27.74	0.60	0.57	0.50	-999
2	26.49	-27.80	0.58	0.77	0.53	-999
2	26.15	-27.86	-999	-999	0.94	-999
2	25.79	-27.92	0.51	0.95	0.66	-999
2	25.43	-27.98	0.53	0.84	0.61	-999
2	25.33	-28.00	0.48	0.71	0.66	-999
2	25.26	-28.01	0.49	0.77	0.54	-999
2	24.73	-28.00	0.53	0.75	0.54	-999
2	24.36	-28.00	0.51	1.01	0.55	-999
2	23.99	-28.00	0.47	0.84	0.75	-999
2	23.63	-28.00	0.56	0.97	0.67	-999
2	23.26	-28.00	0.56	0.92	0.64	-999
2	22.92	-28.00	0.57	0.85	0.65	-999
2	22.58	-28.00	0.55	0.80	0.68	-999
2	22.22	-28.00	0.59	0.88	0.56	-999
2	21.86	-28.00	0.59	0.86	0.61	-999
2	21.49	-28.00	0.56	0.97	0.67	-999
2	21.12	-28.00	0.54	0.78	0.66	-999
2	20.84	-28.00	0.56	0.91	0.77	-999
2	20.78	-28.02	0.55	0.97	0.68	-999
2	20.42	-28.11	0.54	0.82	0.70	-999
2	20.07	-28.20	0.54	0.78	0.81	-999
2	19.36	-28.39	0.58	0.92	0.98	-999
2	19.00	-28.48	0.54	0.83	0.82	-999
2	18.65	-28.57	0.53	0.83	0.88	-999
2	18.30	-28.67	0.55	0.79	0.98	-999
2	17.94	-28.76	0.57	0.79	1.02	-999
2	17.59	-28.85	0.55	0.86	0.86	-999
2	17.28	-28.92	0.54	0.78	0.76	-999
2	16.93	-28.98	0.55	0.84	0.88	-999
2	16.58	-28.91	0.52	0.84	0.75	-999
2	16.23	-28.84	0.59	0.77	0.95	-999
2	15.52	-28.69	0.40	0.86	0.63	-999

2	15.18	-28.62	0.58	0.78	1.01	-999
2	14.83	-28.55	0.64	0.83	0.84	-999
2	14.49	-28.48	0.66	0.83	0.95	-999
2	14.14	-28.41	0.63	0.84	0.85	-999
2	13.72	-28.32	0.58	0.91	0.86	-999
2	13.37	-28.25	0.62	0.82	0.87	-999
2	13.03	-28.18	0.61	0.84	0.99	-999
2	12.68	-28.11	0.65	0.87	0.82	-999
2	12.33	-28.03	0.65	1.04	0.74	-999
2	12.17	-28.01	0.70	0.87	0.74	-999
2	12.18	-28.01	0.74	0.81	0.81	-999
2	12.11	-28.01	0.74	0.84	0.77	-999
2	11.76	-27.99	0.68	1.02	0.73	-999
2	11.41	-28.00	0.59	0.81	0.80	-999
2	11.06	-28.00	0.58	0.81	0.59	-999
2	10.77	-28.00	0.57	0.82	0.66	-999
2	10.42	-28.00	0.53	0.74	0.69	-999
2	9.97	-28.00	0.54	0.74	0.69	-999
2	9.61	-28.00	0.56	0.76	0.82	-999
2	8.71	-28.00	0.45	0.87	0.75	-999
2	8.37	-28.00	0.47	0.75	0.85	-999
2	8.01	-28.00	0.49	0.81	0.70	-999
2	7.66	-28.00	0.52	0.77	0.90	-999
2	7.31	-28.00	0.57	0.79	0.72	-999
2	7.00	-28.00	0.53	0.77	0.60	-999
2	7.00	-27.92	0.50	0.79	0.67	-999
2	7.22	-27.72	0.53	0.83	0.65	-999
2	7.18	-27.82	0.53	0.83	0.69	-999
2	7.15	-27.81	0.51	0.77	0.65	-999
2	7.06	-27.87	0.53	0.79	0.72	-999
2	7.07	-27.73	0.50	0.79	0.72	-999
2	6.94	-27.49	0.53	0.82	0.76	-999
2	6.79	-27.30	0.52	0.78	0.74	-999
2	6.80	-27.11	0.53	0.79	0.63	-999
2	6.94	-26.86	0.53	0.76	0.84	-999
2	6.80	-26.68	0.53	0.76	0.65	-999
2	6.75	-26.45	0.54	0.83	0.79	-999
2	6.74	-26.29	0.55	0.79	0.72	-999
2	6.74	-26.15	0.52	0.82	0.92	-999
2	6.74	-26.01	0.51	0.77	0.88	-999
2	6.54	-25.95	0.56	0.78	0.86	-999
2	6.24	-25.89	0.50	0.71	0.49	-999
2	5.93	-25.82	0.57	0.67	0.58	-999
2	5.64	-25.83	0.58	0.67	0.53	-999
2	5.38	-25.82	0.55	0.65	0.63	-999
2	5.01	-25.69	0.37	0.69	0.44	-999
2	4.89	-25.45	0.39	0.69	0.51	-999

2	4.59	-25.41	0.47	0.71	0.61	-999
2	4.26	-25.37	0.48	0.83	0.83	-999
2	3.95	-25.30	0.50	0.86	0.83	-999
2	3.40	-25.22	0.50	0.83	0.72	-999
2	3.07	-25.16	0.52	0.75	0.82	-999
2	2.71	-25.11	0.51	0.76	0.93	-999
2	2.39	-25.06	0.47	0.71	0.75	-999
2	2.06	-25.01	0.48	0.75	0.78	-999
2	2.00	-25.00	0.48	0.74	0.76	-999
2	2.00	-25.00	0.48	0.75	0.69	-999
2	1.86	-25.00	0.44	0.66	0.77	-999
2	1.59	-25.00	0.44	0.75	0.65	-999
2	1.39	-25.00	0.42	0.77	0.75	-999
2	1.10	-25.00	0.50	0.72	0.63	-999
2	0.91	-25.00	0.48	0.75	0.80	-999
2	0.63	-25.00	0.49	0.76	0.70	-999
2	0.43	-25.00	0.47	0.78	0.80	-999
2	0.15	-25.00	0.48	0.76	0.85	-999
2	-0.01	-25.00	0.47	0.84	0.58	-999
2	-0.32	-25.00	0.51	0.70	0.89	-999
2	-0.54	-25.00	0.50	0.76	0.80	-999
2	-0.82	-25.00	0.43	0.79	0.71	-999
2	-1.03	-25.00	0.47	0.73	0.58	-999
2	-1.32	-25.00	0.45	0.76	0.61	-999
2	-1.55	-25.00	0.49	0.75	0.64	-999
2	-1.85	-25.00	0.45	0.77	0.76	-999
2	-2.00	-25.00	0.45	0.76	0.70	-999
2	-2.04	-25.01	0.49	0.83	0.91	-999
2	-2.31	-25.15	0.70	0.88	0.54	-999
2	-2.60	-25.28	0.40	0.72	0.82	-999
2	-2.88	-25.42	0.42	0.74	0.66	-999
2	-3.11	-25.52	0.42	0.62	0.61	-999
2	-3.38	-25.67	0.42	0.68	0.71	-999
2	-3.97	-25.94	0.41	0.61	0.63	-999
2	-4.00	-25.96	0.39	0.66	0.51	-999
2	-4.16	-26.04	0.43	0.65	0.64	-999
2	-4.46	-26.17	0.43	0.57	0.57	-999
2	-4.73	-26.31	0.43	0.75	0.58	-999
2	-4.99	-26.43	0.42	0.52	0.56	-999
2	-5.22	-26.54	0.43	0.71	0.56	-999
2	-5.49	-26.67	0.44	0.76	0.64	-999
2	-5.76	-26.80	0.42	0.69	0.62	-999
2	-6.00	-26.92	0.41	0.64	0.68	-999
2	-6.00	-26.92	0.43	0.71	0.68	-999
2	-6.24	-27.04	0.51	0.66	0.61	-999
2	-6.80	-27.31	0.46	0.60	0.71	-999
2	-7.04	-27.42	0.44	0.57	0.65	-999

2	-7.32	-27.56	0.44	0.73	0.70	-999
2	-7.75	-27.77	0.47	0.75	0.74	-999
2	-8.00	-27.89	0.48	0.66	0.83	-999
2	-8.01	-27.89	0.47	0.64	0.69	-999
2	-8.22	-27.99	0.49	0.69	0.66	-999
2	-8.50	-28.13	0.50	0.66	0.80	-999
2	-8.78	-28.26	0.49	0.64	0.59	-999
2	-9.07	-28.40	0.52	0.66	0.61	-999
2	-9.32	-28.53	0.49	0.60	0.55	-999
2	-9.50	-28.72	0.51	0.62	0.52	-999
2	-9.50	-28.50	0.30	0.64	0.76	-999
2	-9.51	-28.51	0.32	0.59	0.48	-999
2	-9.50	-28.28	0.53	0.65	0.72	-999
2	-9.71	-28.48	0.56	0.66	0.78	-999
2	-9.94	-28.61	0.48	0.59	0.62	-999
2	-10.19	-28.75	0.47	0.70	0.68	-999
2	-10.61	-29.00	0.51	0.59	0.63	-999
2	-10.89	-29.16	0.31	0.70	0.63	-999
2	-11.01	-29.23	0.55	0.68	0.67	-999
2	-11.07	-29.26	0.54	0.62	0.65	-999
2	-11.35	-29.43	0.52	0.53	0.69	-999
2	-11.64	-29.60	0.48	0.65	0.69	-999
2	-11.92	-29.77	0.48	0.67	0.53	-999
2	-12.16	-29.91	0.45	0.64	0.59	-999
2	-12.43	-30.07	0.45	0.57	0.61	-999
2	-12.69	-30.22	0.39	0.72	0.70	-999
2	-12.94	-30.37	0.44	0.62	0.60	-999
2	-13.00	-30.40	0.42	0.61	0.65	-999
2	-13.16	-30.48	0.39	0.54	0.59	-999
2	-13.40	-30.64	0.41	0.60	0.59	-999
2	-13.66	-30.79	0.43	0.57	0.57	-999
2	-13.93	-30.94	0.48	0.54	0.68	-999
2	-14.13	-31.11	0.42	0.69	0.59	-999
2	-14.25	-31.16	0.44	0.65	0.68	-999
2	-14.25	-31.00	0.44	0.62	0.45	-999
2	-14.25	-31.00	0.44	0.58	0.57	-999
2	-14.25	-30.78	0.47	0.65	0.59	-999
2	-14.43	-30.96	0.48	0.71	0.61	-999
2	-14.65	-31.06	0.49	0.65	0.55	-999
2	-14.90	-31.16	0.52	0.63	0.50	-999
2	-15.12	-31.25	0.49	0.64	0.62	-999
2	-15.39	-31.35	0.49	0.61	0.50	-999
2	-15.66	-31.45	0.48	0.49	0.54	-999
2	-15.93	-31.57	0.49	0.53	0.59	-999
2	-16.00	-31.59	0.46	0.61	0.63	-999
2	-16.14	-31.65	0.46	0.70	0.60	-999
2	-16.41	-31.76	0.46	0.69	0.60	-999

2	-16.83	-31.92	0.51	0.65	0.63	-999
2	-17.03	-32.00	0.43	0.70	0.66	-999
2	-17.29	-32.11	0.46	0.68	0.82	-999
2	-17.56	-32.22	0.41	0.69	1.01	-999
2	-17.83	-32.33	0.41	0.68	0.91	-999
2	-18.00	-32.40	0.42	0.66	0.84	-999
2	-18.01	-32.40	0.41	0.83	0.84	-999
2	-18.16	-32.46	0.40	0.72	0.60	-999
2	-18.37	-32.60	0.67	0.67	0.68	-999
2	-18.50	-32.65	0.65	0.77	0.64	-999
2	-18.50	-32.50	0.47	0.69	0.68	-999
2	-18.50	-32.47	0.44	0.67	0.56	-999
2	-18.54	-32.30	0.42	0.68	0.50	-999
2	-18.73	-32.50	0.44	0.63	0.66	-999
2	-18.96	-32.57	0.42	0.69	0.61	-999
2	-19.25	-32.66	0.42	0.59	0.59	-999
2	-19.66	-32.79	0.43	0.68	0.71	-999
2	-19.95	-32.88	0.43	0.71	0.77	-999
2	-20.00	-32.89	0.41	0.71	0.68	-999
2	-20.15	-32.94	0.43	0.70	0.57	-999
2	-20.43	-32.99	0.44	0.74	0.71	-999
2	-20.72	-32.96	0.45	0.74	0.71	-999
2	-20.99	-32.93	0.47	0.68	0.79	-999
2	-21.00	-32.93	0.46	0.68	0.60	-999
2	-20.99	-32.94	0.47	0.67	0.65	-999
2	-21.09	-32.93	0.46	0.76	0.53	-999
2	-21.38	-32.88	0.45	0.73	0.57	-999
2	-21.67	-32.85	0.45	0.82	0.62	-999
2	-21.95	-32.82	0.45	0.73	0.60	-999
2	-21.99	-32.81	0.40	0.79	0.90	-999
2	-22.19	-32.83	0.39	0.77	0.71	-999
2	-22.40	-32.96	0.38	0.75	0.78	-999
2	-22.50	-32.90	0.42	0.70	0.95	-999
2	-22.50	-32.84	0.40	0.79	0.78	-999
2	-22.50	-32.64	0.43	0.77	0.74	-999
2	-22.64	-32.74	0.44	0.77	0.90	-999
2	-22.85	-32.88	0.45	0.81	0.92	-999
2	-23.00	-32.95	0.43	0.76	0.67	-999
2	-23.08	-32.98	0.43	0.73	0.91	-999
2	-23.36	-33.11	0.44	0.80	0.93	-999
2	-23.63	-33.24	0.42	0.78	1.02	-999
2	-23.91	-33.37	0.43	0.81	1.23	-999
2	-24.00	-33.41	0.45	0.72	0.79	-999
2	-24.27	-33.55	0.42	0.81	1.15	-999
2	-24.54	-33.67	0.42	0.77	1.11	-999
2	-25.30	-34.03	0.47	0.67	1.02	-999
2	-25.58	-34.16	0.43	0.67	1.06	-999

2	-25.87	-34.30	0.40	0.66	1.26	-999
2	-26.00	-34.36	0.42	0.64	1.15	-999
2	-26.10	-34.40	0.41	0.70	1.34	-999
2	-26.37	-34.52	0.43	0.69	1.66	-999
2	-26.65	-34.64	0.40	0.64	1.68	-999
2	-26.92	-34.76	0.41	0.62	1.84	-999
2	-27.00	-34.79	0.44	0.79	1.69	-999
2	-27.00	-34.80	0.41	0.82	1.64	-999
2	-27.00	-34.82	0.39	0.70	1.60	-999
2	-27.23	-35.05	0.42	0.75	1.75	-999
2	-27.43	-35.29	0.41	0.66	1.80	-999
2	-27.65	-35.54	0.39	0.76	2.18	-999
2	-27.85	-35.78	0.41	0.81	2.26	-999
2	-28.01	-35.95	0.41	0.80	1.97	-999
2	-28.03	-35.97	0.42	0.75	1.86	-999
2	-28.25	-36.21	0.42	0.73	1.92	-999
2	-28.47	-36.44	0.43	0.66	1.91	-999
2	-28.69	-36.67	0.43	0.72	1.82	-999
2	-28.91	-36.90	0.34	0.71	1.44	-999
2	-29.01	-37.00	0.58	0.70	1.60	-999
2	-29.12	-37.13	0.46	0.64	1.53	-999
2	-29.35	-37.37	0.48	0.72	1.65	-999
2	-29.59	-37.61	-999.00	0.78	1.53	-999
2	-30.01	-38.05	0.49	0.76	0.97	-999
2	-30.05	-38.08	0.44	0.84	0.89	-999
2	-30.24	-38.30	0.47	0.84	1.18	-999
2	-30.45	-38.53	0.49	0.85	1.15	-999
2	-30.67	-38.77	0.45	0.85	1.09	-999
2	-31.19	-39.33	0.45	0.94	1.02	-999
2	-31.21	-39.36	0.46	0.89	0.81	-999
2	-31.21	-39.36	0.45	0.93	1.10	-999
2	-31.21	-39.37	0.43	0.85	0.83	-999
2	-31.40	-39.57	0.40	0.81	0.75	-999
2	-31.60	-39.80	0.43	0.79	0.78	-999
2	-31.79	-40.03	0.43	0.87	0.78	-999
2	-31.99	-40.26	0.45	0.87	0.75	-999
2	-32.00	-40.26	0.39	0.95	0.78	-999
2	-32.16	-40.45	0.43	0.76	0.58	-999
2	-32.37	-40.71	0.45	0.81	0.57	-999
2	-32.60	-40.96	0.43	0.91	0.79	-999
2	-32.81	-41.22	0.43	0.85	0.77	-999
2	-33.00	-41.44	0.42	0.83	1.11	-999
2	-33.02	-41.48	0.43	0.87	0.89	-999
2	-33.27	-41.77	0.47	0.75	0.88	-999
2	-33.49	-42.04	0.45	0.90	0.70	-999
2	-33.72	-42.30	0.45	0.92	0.95	-999
2	-33.95	-42.58	0.46	0.75	0.82	-999

2	-34.00	-42.64	0.45	0.74	0.79	-999
2	-34.12	-42.79	0.46	0.88	0.87	-999
2	-34.35	-43.06	0.47	0.85	0.82	-999
2	-34.56	-43.32	0.49	0.88	0.95	-999
2	-34.77	-43.57	0.45	0.84	1.00	-999
2	-34.99	-43.83	0.48	0.77	1.01	-999
2	-35.01	-43.84	0.47	0.82	0.98	-999
2	-35.09	-43.91	0.48	0.77	0.90	-999
2	-35.28	-44.20	0.51	0.77	0.92	-999
2	-35.50	-44.46	0.44	0.77	0.75	-999
2	-35.71	-44.72	0.45	0.90	0.67	-999
2	-35.92	-44.97	0.44	0.80	0.69	-999
2	-36.00	-45.09	0.61	0.76	0.56	-999
2	-36.00	-45.11	0.46	0.85	0.56	-999
2	-36.17	-45.30	0.43	0.76	0.58	-999
2	-36.37	-45.53	0.44	0.82	0.47	-999
2	-36.57	-45.77	0.40	0.70	0.57	-999
2	-36.76	-46.01	0.44	0.69	0.61	-999
2	-36.95	-46.26	0.41	0.78	0.44	-999
2	-37.00	-46.33	0.42	0.80	0.36	-999
2	-37.08	-46.45	0.40	0.83	0.46	-999
2	-37.25	-46.67	0.42	0.79	0.49	-999
2	-37.45	-46.90	0.43	0.81	0.52	-999
2	-37.65	-47.11	0.58	0.74	0.37	-999
2	-37.82	-47.35	0.43	0.72	0.38	-999
2	-38.00	-47.56	0.51	0.83	0.54	-999
2	-38.01	-47.56	0.54	0.88	0.45	-999
2	-38.16	-47.77	0.53	0.87	0.56	-999
2	-38.45	-48.14	0.34	0.79	0.45	-999
2	-38.62	-48.37	0.27	0.79	0.55	-999
2	-38.81	-48.59	0.26	0.75	0.51	-999
2	-38.98	-48.82	0.26	0.78	0.53	-999
2	-39.01	-48.86	0.32	0.71	0.40	-999
2	-39.12	-49.00	0.16	0.59	0.57	-999
2	-39.30	-49.23	0.24	0.54	0.58	-999
2	-39.48	-49.47	0.40	0.59	0.58	-999
2	-39.67	-49.71	0.48	0.57	0.62	-999
2	-39.86	-49.96	0.46	0.68	0.89	-999
2	-40.00	-50.12	0.49	0.59	1.02	-999
2	-40.06	-50.15	0.46	0.54	0.66	-999
2	-40.12	-50.30	0.27	0.80	1.22	-999
2	-40.30	-50.53	0.38	0.86	1.33	-999
2	-40.47	-50.76	0.38	0.82	1.13	-999
2	-40.71	-51.08	0.38	0.87	1.10	-999
2	-40.89	-51.32	0.39	0.87	1.27	-999
2	-41.01	-51.48	0.41	0.84	1.29	-999
2	-41.02	-51.51	0.41	0.82	1.22	-999

2	-41.03	-51.54	0.42	0.77	1.32	-999
2	-41.11	-51.65	0.44	0.88	1.81	-999
2	-41.31	-51.89	0.48	0.99	2.11	-999
2	-41.50	-52.12	0.52	1.14	2.17	-999
2	-41.66	-52.35	0.49	0.95	1.68	-999
2	-41.82	-52.57	0.51	0.90	1.40	-999
2	-41.97	-52.77	0.59	1.04	1.46	-999
2	-42.10	-52.96	0.48	0.89	0.58	-999
2	-42.26	-53.16	0.47	0.86	0.55	-999
2	-42.33	-53.28	0.52	1.04	0.65	-999
2	-42.45	-53.43	0.50	0.75	0.67	-999
2	-42.56	-53.57	0.44	0.94	0.64	-999
2	-42.72	-53.79	0.47	0.90	0.58	-999
2	-42.86	-53.97	0.47	0.91	0.46	-999
2	-43.01	-54.18	0.49	0.83	0.48	-999
2	-43.20	-54.39	0.49	0.80	0.53	-999
2	-43.42	-54.63	0.47	0.81	0.46	-999
2	-43.63	-54.87	0.52	0.83	0.50	-999
2	-43.81	-55.12	0.53	0.81	0.53	-999
2	-44.01	-55.37	0.55	0.87	0.54	-999
2	-44.21	-55.64	0.58	0.75	0.63	-999
2	-44.42	-55.91	0.69	0.91	0.68	-999
2	-44.46	-55.99	0.71	0.93	0.75	-999
2	-44.50	-56.06	0.66	0.97	1.15	-999
2	-44.70	-56.36	0.67	1.15	1.06	-999
2	-44.90	-56.67	0.65	1.17	0.69	-999
2	-45.02	-56.87	0.61	0.84	0.53	-999
2	-45.21	-57.12	0.58	0.90	0.52	-999
2	-45.34	-57.31	0.57	0.85	0.62	-999
2	-45.45	-57.46	0.61	0.87	0.54	-999
2	-45.51	-57.56	0.57	0.79	0.61	-999
2	-45.58	-57.67	0.57	0.96	0.53	-999
2	-45.65	-57.75	0.57	0.85	0.59	-999
2	-45.71	-57.86	0.59	0.76	0.51	-999
2	-45.75	-57.92	0.58	0.85	0.66	-999
2	-45.84	-58.06	0.59	0.85	0.72	-999
2	-46.03	-58.34	0.59	0.76	0.58	-999
2	-46.20	-58.58	0.62	0.92	0.66	-999
2	-46.37	-58.85	0.68	0.90	0.62	-999
2	-46.43	-58.95	0.77	0.91	0.79	-999
2	-46.61	-59.19	0.78	1.00	0.76	-999
2	-46.80	-59.45	0.74	0.92	0.92	-999
2	-46.99	-59.70	0.84	1.07	1.14	-999
2	-47.21	-60.01	0.83	1.01	1.17	-999
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3	-71.70	175.58	-999	0.78	-999	-999
3	-71.57	175.61	-999	0.44	0.13	-999
3	-71.40	175.63	-999	0.44	0.20	-999

3	-71.18	175.66	-999	0.91	0.40	-999
3	-70.96	175.70	-999	1.31	0.25	-999
3	-69.67	175.90	-999	-999	-999	-999
3	-69.46	175.93	-999	-999	-999	-999
3	-69.24	175.96	-999	-999	-999	-999
3	-69.03	176.00	-999	-999	0.25	-999
3	-69.07	176.39	-999	-999	-999	-999
3	-69.15	176.85	-999	0.60	-999	-999
3	-69.22	177.31	-999	0.96	-999	-999
3	-69.30	177.79	-999	-999	-999	-999
3	-69.52	178.85	-999	0.64	0.10	-999
3	-69.68	179.53	-999	1.17	0.10	-999
3	-69.80	-179.94	-999	0.54	0.08	-999
3	-69.86	-179.38	-999	0.32	0.13	-999
3	-69.90	-179.11	-999	0.87	0.04	-999
3	-69.93	-178.69	-999	0.87	0.07	-999
3	-69.97	-178.27	-999	0.46	0.12	-999
3	-70.02	-177.86	-999	0.77	0.07	-999
3	-70.06	-177.46	-999	0.29	0.07	-999
3	-70.11	-177.05	-999	0.72	0.13	-999
3	-70.23	-177.00	-999	0.57	0.07	-999
3	-70.38	-177.00	-999	0.13	0.09	-999
3	-70.47	-177.00	-999	0.26	0.14	-999
3	-70.57	-177.00	-999	0.34	0.09	-999
3	-70.87	-177.00	-999	-999	-999	-999
3	-70.92	-177.00	-999	0.14	0.03	-999
3	-71.00	-176.73	-999	0.76	0.09	-999
3	-71.00	-176.60	-999	0.45	0.18	-999
3	-70.82	-176.78	-999	0.34	0.17	-999
3	-70.53	-176.73	-999	0.11	0.10	-999
3	-70.42	-176.49	-999	1.05	0.15	-999
3	-70.35	-176.75	-999	0.16	0.14	-999
3	-70.33	-177.18	-999	-999	0.05	-999
3	-70.28	-177.58	-999	0.44	0.05	-999
3	-70.15	-178.69	-999	0.64	0.16	-999
3	-70.14	-178.82	-999	-999	-999	-999
3	-70.11	-179.10	-999	0.80	0.13	-999
3	-70.07	-179.41	-999	0.22	0.18	-999
3	-70.01	-179.96	-999	0.54	0.09	-999
3	-69.94	179.66	-999	0.22	0.06	-999
3	-69.88	179.27	-999	0.31	0.03	-999
3	-69.82	178.88	-999	0.11	0.14	-999
3	-69.75	178.50	-999	0.17	0.05	-999
3	-69.69	178.13	-999	0.33	0.10	-999
3	-69.63	177.77	-999	0.43	0.08	-999
3	-69.57	177.42	-999	0.24	0.15	-999
3	-69.51	177.06	-999	0.78	0.15	-999

3	-69.45	176.69	-999	0.43	0.10	-999
3	-69.39	176.33	-999	0.35	0.07	-999
3	-69.31	176.02	-999	0.94	0.05	-999
3	-69.18	176.12	-999	0.59	0.11	-999
3	-69.05	176.22	-999	0.94	0.14	-999
3	-68.92	176.33	-999	0.44	0.12	-999
3	-68.78	176.43	-999	1.51	0.06	-999
3	-68.71	176.49	-999	0.09	0.13	-999
3	-68.61	176.57	-999	0.44	-999	-999
3	-68.58	177.47	-999	0.09	0.08	-999
3	-68.65	177.92	-999	0.27	0.08	-999
3	-68.72	178.34	-999	0.23	0.07	-999
3	-68.78	178.78	-999	0.25	0.22	-999
3	-68.85	179.23	-999	-999	0.07	-999
3	-68.91	179.68	-999	0.20	0.14	-999
3	-68.97	-179.88	-999	0.20	0.11	-999
3	-69.03	-179.44	-999	-999	0.23	-999
3	-69.09	-178.98	-999	-999	0.25	-999
3	-69.23	-177.98	-999	-999	0.06	-999
3	-68.99	-174.10	-999	-999	-999	-999
3	-68.92	-173.71	-999	-999	0.39	-999
3	-69.08	-173.75	-999	-999	0.35	-999
3	-69.24	-173.74	-999	1.14	0.44	-999
3	-69.18	-173.61	-999	0.99	0.33	-999
3	-69.33	-173.87	-999	0.70	0.32	-999
3	-69.50	-173.85	-999	0.77	0.58	-999
3	-69.78	-174.03	-999	0.77	0.10	-999
3	-69.91	-174.14	-999	0.56	0.21	-999
3	-70.04	-174.20	-999	0.51	0.14	-999
3	-70.16	-174.28	-999	-999	-999	-999
3	-70.27	-174.33	-999	0.70	0.23	-999
3	-70.40	-174.41	-999	0.73	0.11	-999
3	-70.51	-174.45	-999	0.56	0.17	-999
3	-70.63	-174.51	-999	0.37	0.20	-999
3	-70.75	-174.57	-999	0.51	0.20	-999
3	-70.87	-174.64	-999	0.43	0.17	-999
3	-70.98	-174.68	-999	0.35	0.09	-999
3	-71.11	-174.76	-999	0.29	0.12	-999
3	-71.25	-174.84	-999	0.32	0.13	-999
3	-71.37	-174.91	-999	0.23	0.14	-999
3	-71.54	-174.97	-999	0.32	0.07	-999
3	-71.54	-174.36	-999	0.35	0.10	-999
3	-71.54	-174.00	-999	0.41	0.10	-999
3	-71.53	-173.47	-999	0.50	0.14	-999
3	-71.53	-173.09	-999	0.48	0.12	-999
3	-70.87	-172.79	-999	0.48	0.25	-999
3	-70.74	-172.73	-999	0.43	0.20	-999

3	-70.60	-172.66	-999	0.65	0.31	-999
3	-70.47	-172.58	-999	0.56	0.30	-999
3	-70.30	-172.54	-999	0.56	0.44	-999
3	-70.17	-172.21	-999	0.61	0.46	-999
3	-70.17	-171.57	-999	0.35	0.35	-999
3	-70.17	-170.90	-999	0.35	0.22	-999
3	-70.17	-170.22	-999	0.42	0.34	-999
3	-70.24	-170.00	-999	0.75	0.13	-999
3	-70.93	-169.99	-999	0.51	0.16	-999
3	-71.05	-170.00	-999	0.87	0.24	-999
3	-71.17	-170.00	-999	0.75	0.17	-999
3	-71.30	-170.00	-999	0.75	0.18	-999
3	-71.44	-170.00	-999	0.77	0.15	-999
3	-71.57	-169.90	-999	0.79	0.21	-999
3	-71.70	-169.82	-999	0.72	0.21	-999
3	-71.85	-169.84	-999	0.71	0.46	-999
3	-71.99	-169.84	-999	0.73	0.31	-999
3	-72.14	-169.84	-999	0.88	0.41	-999
3	-72.30	-168.42	-999	0.73	0.34	-999
3	-72.30	-167.66	-999	0.79	0.46	-999
3	-72.31	-166.91	-999	0.83	0.27	-999
3	-72.32	-166.16	-999	0.73	0.19	-999
3	-72.31	-165.38	-999	0.92	0.17	-999
3	-72.33	-164.60	-999	-999	0.20	-999
3	-72.34	-163.79	-999	1.06	0.19	-999
3	-72.34	-162.98	-999	0.59	0.26	-999
3	-72.35	-162.17	-999	0.77	0.26	-999
3	-72.36	-161.39	-999	0.78	0.29	-999
3	-72.36	-160.60	-999	0.84	0.15	-999
3	-72.33	-159.99	-999	0.99	0.41	-999
3	-72.17	-160.03	-999	0.39	0.26	-999
3	-71.91	-160.00	-999	0.98	0.35	-999
3	-71.81	-159.85	-999	0.75	0.31	-999
3	-71.81	-159.38	-999	0.88	0.33	-999
3	-71.81	-158.90	-999	0.68	0.36	-999
3	-71.81	-158.42	-999	0.65	0.25	-999
3	-71.82	-157.99	-999	0.69	0.25	-999
3	-71.97	-158.00	-999	0.53	0.29	-999
3	-72.12	-157.99	-999	0.74	0.36	-999
3	-72.27	-158.00	-999	0.67	0.30	-999
3	-72.64	-158.26	-999	-999	0.08	-999
3	-72.61	-158.74	-999	-999	0.15	-999
3	-72.59	-159.24	-999	0.25	0.34	-999
3	-72.57	-159.72	-999	0.70	0.18	-999
3	-72.48	-160.00	-999	0.61	0.23	-999
3	-72.36	-159.87	-999	1.10	0.37	-999
3	-72.37	-159.37	-999	1.13	0.27	-999

3	-72.38	-158.04	0.76	0.98	0.28	-999
3	-72.39	-157.54	-999	-999	-999	-999
3	-72.39	-157.05	0.78	1.37	0.36	-999
3	-72.40	-156.55	0.80	1.42	0.26	-999
3	-72.40	-156.05	-999	1.90	0.31	-999
3	-72.41	-155.56	-999	1.22	0.25	-999
3	-72.41	-155.05	0.50	0.20	0.15	-999
3	-72.41	-154.55	0.45	0.77	0.20	-999
3	-72.42	-154.03	0.42	0.74	0.15	-999
3	-72.42	-153.55	0.61	0.95	0.23	-999
3	-72.42	-153.11	0.36	0.51	0.19	-999
3	-72.41	-152.67	0.54	0.83	0.33	-999
3	-72.48	-152.49	0.53	0.53	0.16	-999
3	-72.61	-152.50	0.42	0.68	0.26	-999
3	-72.75	-152.50	0.50	0.70	0.28	-999
3	-72.99	-152.50	0.48	0.63	0.23	-999
3	-73.12	-152.50	0.54	0.48	0.28	-999
3	-73.25	-152.50	0.47	0.92	0.27	-999
3	-73.29	-151.74	0.43	0.64	0.27	-999
3	-73.29	-151.29	0.33	0.64	0.20	-999
3	-73.29	-150.89	0.40	0.64	0.22	-999
3	-73.29	-150.45	0.43	0.93	0.25	-999
3	-73.30	-150.02	0.59	0.74	0.21	-999
3	-73.43	-150.01	0.52	0.99	0.22	-999
3	-73.56	-150.03	0.60	0.95	0.21	-999
3	-73.69	-150.03	0.58	0.71	0.19	-999
3	-73.81	-150.04	0.55	0.58	0.18	-999
3	-73.93	-150.15	0.62	0.77	0.20	-999
3	-74.00	-150.57	0.60	0.70	0.18	-999
3	-73.78	-151.00	0.67	0.57	0.23	-999
3	-73.64	-150.97	0.75	0.60	0.19	-999
3	-73.59	-151.35	0.73	0.55	0.18	-999
3	-73.58	-151.80	0.65	0.62	0.18	-999
3	-73.67	-151.96	0.61	0.63	0.14	-999
3	-73.78	-151.94	0.54	0.61	0.16	-999
3	-73.88	-152.00	0.59	0.57	0.19	-999
3	-74.04	-152.37	0.55	0.66	0.11	-999
3	-73.95	-152.54	0.64	0.77	0.14	-999
3	-73.81	-152.48	0.61	0.71	0.20	-999
3	-73.69	-152.46	0.65	0.41	0.18	-999
3	-73.57	-152.53	-999	-999	-999	-999
3	-73.48	-152.42	0.68	0.80	0.22	-999
3	-73.48	-152.03	0.67	0.80	0.17	-999
3	-73.48	-151.65	0.74	0.72	0.16	-999
3	-73.48	-151.28	0.72	0.70	0.17	-999
3	-73.45	-150.99	-999	0.87	0.15	-999
3	-73.33	-151.01	0.83	0.77	0.19	-999

3	-72.84	-151.00	-999	-999	0.17	-999
3	-72.82	-151.40	0.71	0.76	0.09	-999
3	-72.79	-151.84	-999	-999	0.14	-999
3	-72.72	-151.55	0.63	0.71	0.12	-999
3	-72.72	-151.13	0.65	0.61	0.16	-999
3	-72.71	-150.70	0.59	0.70	0.14	-999
3	-72.72	-150.27	0.62	0.88	0.14	-999
3	-72.66	-149.99	0.62	0.74	0.18	-999
3	-72.53	-150.01	0.68	0.64	0.15	-999
3	-72.40	-150.02	0.69	0.92	0.17	-999
3	-72.24	-149.97	0.65	0.85	0.13	-999
3	-72.10	-150.01	0.72	0.65	0.19	-999
3	-71.98	-149.79	-999	-999	0.14	-999
3	-71.86	-149.74	0.60	0.72	0.18	-999
3	-71.72	-149.44	0.78	0.68	0.17	-999
3	-71.55	-149.12	0.72	0.86	0.21	-999
3	-71.34	-148.69	0.74	0.77	0.13	-999
3	-71.16	-148.34	0.53	0.63	0.18	-999
3	-70.99	-147.93	0.59	0.82	0.15	-999
3	-70.87	-147.34	0.52	0.62	0.15	-999
3	-70.54	-145.61	0.50	0.94	0.12	-999
3	-70.43	-145.05	0.51	0.81	0.19	-999
3	-70.32	-144.48	0.50	0.61	0.11	-999
3	-70.21	-143.93	0.45	0.67	0.18	-999
3	-70.10	-143.39	0.49	0.78	0.13	-999
3	-69.99	-142.85	0.55	0.75	0.18	-999
3	-69.89	-142.30	0.45	0.66	0.20	-999
3	-69.84	-142.24	0.50	0.66	0.23	-999
3	-69.71	-141.96	0.48	0.86	0.15	-999
3	-69.61	-141.45	0.57	0.72	0.19	-999
3	-69.55	-140.92	0.56	0.86	0.21	-999
3	-69.48	-140.36	-999	-999	-999	-999
3	-69.29	-139.38	0.56	0.83	0.12	-999
3	-69.18	-138.88	0.55	0.99	0.16	-999
3	-69.07	-138.37	0.55	0.99	0.17	-999
3	-69.07	-137.93	0.50	0.85	0.13	-999
3	-69.29	-137.72	0.54	0.92	0.19	-999
3	-69.49	-137.52	0.59	0.82	0.17	-999
3	-69.70	-137.32	0.56	0.88	0.17	-999
3	-69.91	-137.11	0.63	0.70	0.17	-999
3	-70.12	-136.91	0.55	0.69	0.16	-999
3	-70.32	-136.70	0.63	0.66	0.20	-999
3	-70.50	-136.49	0.68	0.73	0.19	-999
3	-70.70	-136.31	0.90	0.63	0.23	-999
3	-70.89	-136.13	0.94	0.63	0.19	-999
3	-71.05	-135.93	0.88	0.71	0.28	-999
3	-71.25	-135.57	0.93	0.61	0.19	-999

3	-71.25	-135.17	1.04	0.80	0.25	-999
3	-71.25	-134.78	1.05	0.78	0.26	-999
3	-71.25	-133.97	0.89	0.81	0.25	-999
3	-71.31	-133.57	1.00	0.63	0.34	-999
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3	-71.46	-132.98	-999	0.93	0.47	-999
3	-71.55	-132.65	-999	0.84	0.99	-999
3	-71.66	-132.26	-999	1.01	0.58	-999
3	-71.78	-131.81	-999	0.88	0.47	-999
3	-71.92	-131.32	1.05	0.85	0.42	-999
3	-72.05	-130.80	0.98	0.73	0.34	-999
3	-72.17	-130.28	0.93	0.79	0.32	-999
3	-72.02	-130.62	0.91	0.83	0.30	-999
3	-71.88	-131.12	0.98	0.73	0.31	-999
3	-71.70	-131.80	0.95	0.80	0.43	-999
3	-71.56	-132.21	1.28	0.97	0.38	-999
3	-71.39	-132.35	1.28	0.87	0.31	-999
3	-71.22	-132.07	1.20	1.13	0.38	-999
3	-71.06	-131.88	-999	-999	0.29	-999
3	-70.74	-131.30	-999	-999	-999	-999
3	-69.75	-129.47	1.15	0.90	0.47	-999
3	-69.70	-129.15	0.98	0.99	0.48	-999
3	-69.81	-129.22	1.05	0.63	0.39	-999
3	-69.88	-129.66	0.94	0.98	0.56	-999
3	-69.72	-129.75	0.97	0.97	0.57	-999
3	-69.62	-129.75	0.98	0.59	0.93	-999
3	-69.49	-129.75	1.16	1.38	0.84	-999
3	-69.37	-129.75	1.22	0.95	1.20	-999
3	-69.26	-129.75	1.09	0.88	0.77	-999
3	-69.13	-129.75	0.99	0.98	0.70	-999
3	-69.01	-129.76	1.04	0.93	0.56	-999
3	-68.90	-129.92	0.85	1.08	0.51	-999
3	-68.79	-130.11	0.86	1.04	0.37	-999
3	-68.67	-130.31	0.90	0.97	0.51	-999
3	-68.56	-130.50	0.96	1.00	0.40	-999
3	-68.45	-130.69	1.07	0.90	0.40	-999
3	-68.34	-130.87	0.90	0.89	0.41	-999
3	-68.23	-131.05	1.13	0.72	0.48	-999
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3	-68.02	-131.40	1.23	1.01	0.52	-999
3	-67.91	-131.57	1.19	1.16	0.56	-999
3	-67.81	-131.75	1.17	0.79	0.55	-999
3	-67.70	-131.92	1.40	0.94	0.59	-999
3	-67.59	-132.11	1.29	0.85	0.56	-999
3	-67.45	-132.33	1.49	1.23	0.66	-999
3	-67.33	-132.52	1.60	1.19	0.78	-999
3	-67.23	-132.54	1.48	1.14	0.74	-999

3	-67.13	-132.13	1.21	1.26	0.58	-999
3	-67.11	-131.87	0.99	0.82	0.46	-999
3	-67.21	-131.67	0.96	0.85	0.36	-999
3	-67.32	-131.48	0.92	0.70	0.37	-999
3	-67.42	-131.28	0.88	0.89	0.37	-999
3	-67.53	-131.08	0.83	0.98	0.32	-999
3	-67.63	-130.88	0.80	0.83	0.31	-999
3	-67.73	-130.69	0.75	0.83	0.44	-999
3	-67.83	-130.50	0.73	0.83	0.31	-999
3	-67.94	-130.30	0.80	0.87	0.46	-999
3	-68.04	-130.10	0.80	0.87	0.43	-999
3	-68.14	-129.90	0.74	0.87	0.33	-999
3	-68.24	-129.71	0.80	0.92	0.35	-999
3	-68.34	-129.51	0.84	0.91	0.44	-999
3	-68.44	-129.31	0.79	1.02	0.41	-999
3	-68.51	-129.17	0.81	0.83	0.44	-999
3	-68.62	-128.96	0.81	0.88	0.36	-999
3	-68.73	-128.75	0.98	1.16	0.84	-999
3	-68.84	-128.52	0.86	1.16	0.33	-999
3	-68.94	-128.31	0.79	1.29	0.37	-999
3	-69.05	-128.09	0.84	0.72	0.39	-999
3	-69.15	-127.89	0.84	1.04	0.33	-999
3	-69.17	-127.59	0.95	0.97	0.29	-999
3	-69.14	-127.24	0.93	0.84	0.30	-999
3	-69.10	-126.88	0.91	1.12	0.28	-999
3	-69.05	-126.52	0.87	0.80	0.33	-999
3	-69.02	-126.16	0.92	0.98	0.29	-999
3	-68.97	-125.81	0.89	1.12	0.38	-999
3	-68.93	-125.45	0.75	0.76	0.41	-999
3	-68.90	-125.11	0.85	0.92	0.32	-999
3	-68.86	-124.78	0.89	0.67	0.37	-999
3	-68.80	-124.58	0.98	0.86	0.31	-999
3	-68.70	-124.82	0.97	0.86	0.35	-999
3	-68.59	-125.05	0.90	0.85	0.24	-999
3	-68.48	-125.27	0.92	0.81	0.18	-999
3	-68.39	-125.48	0.90	0.99	0.21	-999
3	-68.29	-125.69	0.85	0.91	0.21	-999
3	-68.19	-125.90	0.85	0.67	0.14	-999
3	-68.09	-126.11	0.71	0.94	0.21	-999
3	-67.98	-126.32	0.76	0.75	0.12	-999
3	-67.88	-126.53	0.74	0.70	0.17	-999
3	-67.78	-126.75	0.70	0.85	0.16	-999
3	-67.67	-126.95	0.72	0.55	0.18	-999
3	-67.57	-127.15	0.67	0.55	0.14	-999
3	-67.47	-127.35	0.76	0.56	0.21	-999
3	-67.38	-127.55	0.66	0.88	0.13	-999
3	-67.27	-127.76	0.70	0.63	0.14	-999

3	-67.17	-127.96	0.76	0.65	0.14	-999
3	-67.07	-128.16	0.80	0.71	0.20	-999
3	-66.98	-128.36	0.75	0.82	0.12	-999
3	-66.87	-128.56	0.72	0.83	0.18	-999
3	-66.77	-128.78	0.76	0.76	0.20	-999
3	-66.66	-128.99	-999	-999	0.20	-999
3	-66.56	-129.21	0.76	0.98	0.14	-999
3	-66.45	-129.42	0.75	0.86	0.21	-999
3	-66.36	-129.33	0.71	0.71	0.17	-999
3	-66.29	-129.08	0.68	0.67	0.17	-999
3	-66.21	-128.83	0.68	0.57	0.19	-999
3	-66.13	-128.57	0.77	0.80	0.17	-999
3	-66.05	-128.31	0.72	0.77	0.17	-999
3	-65.97	-128.05	0.74	0.72	0.15	-999
3	-65.92	-127.80	0.77	0.75	0.15	-999
3	-66.01	-127.62	0.74	0.83	0.16	-999
3	-66.12	-127.43	0.63	0.73	0.16	-999
3	-66.21	-127.25	0.71	0.69	0.14	-999
3	-66.32	-127.06	0.72	0.91	0.18	-999
3	-66.43	-126.87	0.97	0.74	0.34	-999
3	-66.54	-126.65	0.76	0.88	0.23	-999
3	-66.64	-126.46	0.77	0.77	0.20	-999
3	-66.74	-126.28	0.75	0.73	0.18	-999
3	-66.84	-126.08	0.74	0.86	0.19	-999
3	-66.95	-125.88	0.82	0.82	0.22	-999
3	-67.05	-125.68	0.78	0.73	0.20	-999
3	-67.16	-125.48	0.81	0.93	0.28	-999
3	-67.27	-125.28	0.87	0.88	0.21	-999
3	-67.37	-125.06	0.95	0.76	0.24	-999
3	-67.48	-124.86	0.99	0.78	0.28	-999
3	-67.59	-124.65	0.85	0.75	0.21	-999
3	-67.70	-124.45	0.82	0.70	0.18	-999
3	-67.80	-124.24	-999	-999	-999	-999
3	-67.90	-124.04	0.87	0.86	0.21	-999
3	-68.01	-123.83	0.87	0.93	0.20	-999
3	-68.11	-123.63	0.81	0.90	0.23	-999
3	-68.21	-123.43	0.85	1.05	0.24	-999
3	-68.32	-123.21	0.97	0.77	0.21	-999
3	-68.43	-122.99	0.87	0.85	0.14	-999
3	-68.54	-122.78	0.90	0.72	0.23	-999
3	-68.63	-122.46	0.98	-999	0.17	-999
3	-68.65	-122.26	0.94	0.84	0.21	-999
3	-68.69	-121.79	0.89	0.93	0.26	-999
3	-68.73	-121.28	0.83	0.59	0.22	-999
3	-68.82	-120.84	0.95	0.77	0.20	-999
3	-69.00	-120.60	0.93	0.79	0.29	-999
3	-69.18	-120.37	0.90	0.86	0.30	-999

3	-69.36	-120.14	0.98	0.80	0.38	-999
3	-69.54	-119.89	1.05	0.88	0.30	-999
3	-69.71	-119.65	0.99	0.92	0.39	-999
3	-69.89	-119.41	0.97	0.96	0.44	-999
3	-70.07	-119.18	1.06	0.73	0.47	-999
3	-70.26	-118.89	1.10	0.82	0.51	-999
3	-70.39	-119.07	1.14	0.99	0.50	-999
3	-70.43	-119.74	1.19	0.99	0.49	-999
3	-70.47	-120.40	1.09	0.84	0.44	-999
3	-70.50	-121.00	1.20	0.75	0.49	-999
3	-70.52	-121.42	1.18	0.73	0.44	-999
3	-70.41	-121.59	1.07	0.71	0.41	-999
3	-69.72	-122.18	0.89	0.67	0.43	-999
3	-69.51	-122.35	0.89	0.90	0.45	-999
3	-69.30	-122.52	0.86	0.73	0.35	-999
3	-69.09	-122.69	0.85	0.84	0.36	-999
3	-68.89	-122.85	0.85	0.92	0.33	-999
3	-69.01	-122.98	0.87	1.12	0.33	-999
3	-69.07	-123.43	0.77	0.88	0.29	-999
3	-69.07	-124.02	0.84	0.99	0.31	-999
3	-69.18	-123.92	0.86	0.93	0.30	-999
3	-69.18	-123.34	0.81	0.60	0.21	-999
3	-69.15	-122.78	0.81	0.85	0.34	-999
3	-69.10	-123.32	0.85	0.63	0.28	-999
3	-69.13	-123.51	0.81	0.54	0.23	-999
3	-69.01	-123.25	0.75	0.59	0.30	-999
3	-68.99	-123.69	0.68	0.58	0.31	-999
3	-69.00	-124.23	0.77	0.65	0.39	-999
3	-69.21	-124.22	0.84	0.67	0.28	-999
3	-69.40	-124.19	0.85	0.66	0.27	-999
3	-69.56	-124.18	0.79	0.42	0.27	-999
3	-69.70	-124.17	0.76	0.75	0.29	-999
3	-69.13	-127.75	0.77	0.54	0.22	-999
3	-69.26	-127.74	0.74	0.77	0.22	-999
3	-69.39	-127.74	0.72	0.47	0.23	-999
3	-69.49	-127.68	0.73	0.48	0.20	-999
3	-69.64	-127.59	0.65	0.59	0.20	-999
3	-69.72	-127.60	0.66	0.57	0.21	-999
3	-69.68	-127.86	0.71	0.67	0.28	-999
3	-69.59	-128.04	0.63	0.91	0.28	-999
3	-69.46	-128.25	0.62	0.73	0.24	-999
3	-69.34	-128.45	0.53	0.84	0.20	-999
3	-69.22	-128.66	0.53	0.64	0.20	-999
3	-69.10	-128.84	0.53	0.82	0.26	-999
3	-68.98	-129.03	0.54	0.70	0.23	-999
3	-68.85	-129.28	0.61	0.63	0.22	-999
3	-68.75	-129.48	0.65	0.84	0.20	-999

3	-68.37	-130.17	0.67	0.64	0.29	-999
3	-68.21	-130.41	0.90	0.96	0.49	-999
3	-68.15	-130.18	1.01	0.84	0.53	-999
3	-68.09	-129.97	0.94	0.94	0.63	-999
3	-68.02	-129.72	0.85	0.91	0.64	-999
3	-67.94	-129.46	0.77	0.88	0.62	-999
3	-67.87	-129.19	0.82	0.92	0.66	-999
3	-67.79	-128.91	0.76	0.98	0.72	-999
3	-67.71	-128.64	0.76	1.01	0.70	-999
3	-67.64	-128.37	0.71	0.97	0.73	-999
3	-67.57	-128.11	0.64	0.93	0.67	-999
3	-67.59	-127.88	0.66	0.96	0.66	-999
3	-67.70	-127.68	0.67	0.95	0.61	-999
3	-67.80	-127.48	0.72	0.88	0.67	-999
3	-67.90	-127.26	0.67	0.93	0.60	-999
3	-68.01	-127.05	0.85	0.87	0.56	-999
3	-68.11	-126.83	0.89	0.89	0.60	-999
3	-68.22	-126.62	0.93	0.92	0.62	-999
3	-68.32	-126.41	1.01	0.81	0.63	-999
3	-68.41	-126.29	1.16	1.04	0.59	-999
3	-68.40	-126.63	1.15	0.89	0.63	-999
3	-68.40	-126.96	1.18	0.95	0.69	-999
3	-68.39	-127.27	1.11	0.85	0.66	-999
3	-68.39	-127.53	1.32	0.95	0.70	-999
3	-68.39	-127.79	1.09	0.94	0.70	-999
3	-68.30	-127.97	1.18	1.04	0.71	-999
3	-68.18	-128.07	1.07	1.02	0.73	-999
3	-68.09	-128.24	1.12	1.06	0.71	-999
3	-68.01	-128.46	0.96	1.06	0.66	-999
3	-67.93	-128.68	0.96	1.12	0.69	-999
3	-67.85	-128.90	0.98	1.02	0.67	-999
3	-67.76	-129.10	0.84	0.94	0.55	-999
3	-67.67	-129.18	0.75	0.92	0.49	-999
3	-67.59	-128.91	0.76	0.84	0.49	-999
3	-67.50	-128.66	0.91	0.93	0.48	-999
3	-67.42	-128.41	0.91	0.84	0.51	-999
3	-67.33	-128.15	0.92	0.84	0.56	-999
3	-67.19	-127.75	0.97	0.93	0.52	-999
3	-67.11	-127.51	1.04	0.80	0.55	-999
3	-67.03	-127.27	1.02	0.74	0.52	-999
3	-66.94	-127.05	1.05	0.91	0.53	-999
3	-66.87	-126.80	1.08	0.89	0.54	-999
3	-66.78	-126.57	1.09	0.76	0.47	-999
3	-66.70	-126.32	1.34	0.95	0.46	-999
3	-66.70	-126.23	1.33	0.80	0.53	-999
3	-67.05	-126.02	1.15	1.06	0.59	-999
3	-67.21	-125.68	1.17	0.99	0.41	-999

3	-67.03	-125.77	1.04	0.93	0.40	-999
3	-67.00	-125.80	1.13	0.91	0.40	-999
3	-67.00	-125.86	0.98	0.95	0.50	-999
3	-66.99	-125.87	1.15	0.84	0.53	-999
3	-66.93	-125.69	1.23	1.07	0.55	-999
3	-66.79	-125.27	1.34	1.01	0.66	-999
3	-66.47	-124.35	1.50	0.92	0.63	-999
3	-66.59	-123.98	1.50	1.01	0.66	-999
3	-66.76	-123.63	1.56	0.91	0.56	-999
3	-66.94	-123.28	1.51	0.81	0.53	-999
3	-67.10	-122.92	1.47	0.96	0.65	-999
3	-67.27	-122.57	1.54	1.01	0.53	-999
3	-67.44	-122.21	1.53	1.08	0.54	-999
3	-67.60	-121.85	1.58	1.10	0.60	-999
3	-67.78	-121.48	1.63	1.02	0.54	-999
3	-67.95	-121.10	1.64	1.16	0.67	-999
3	-68.14	-120.81	1.62	1.17	0.67	-999
3	-68.37	-120.08	1.53	1.11	0.56	-999
3	-68.36	-119.50	1.54	1.01	0.51	-999
3	-68.35	-118.92	1.59	1.06	0.57	-999
3	-68.33	-118.27	1.45	1.04	0.56	-999
3	-68.32	-117.64	1.34	0.97	0.55	-999
3	-68.31	-116.99	1.42	1.04	0.48	-999
3	-68.55	-116.80	1.38	0.97	0.45	-999
3	-68.78	-116.61	1.36	1.07	0.41	-999
3	-69.01	-116.42	1.34	1.15	0.49	-999
3	-69.02	-115.96	1.32	1.03	0.52	-999
3	-68.94	-115.33	1.43	1.03	0.55	-999
3	-68.86	-114.70	1.35	1.11	0.59	-999
3	-68.70	-113.44	1.10	1.03	0.43	-999
3	-68.59	-112.91	1.12	0.95	0.34	-999
3	-68.39	-112.59	1.24	0.90	0.40	-999
3	-68.19	-112.29	1.31	1.01	0.46	-999
3	-68.00	-111.95	1.36	1.09	0.59	-999
3	-67.94	-111.33	1.25	0.97	0.56	-999
3	-67.89	-110.69	1.23	0.95	0.57	-999
3	-67.84	-110.08	1.06	0.96	0.43	-999
3	-67.78	-109.45	1.17	1.03	0.53	-999
3	-67.73	-108.83	1.11	1.01	0.36	-999
3	-67.68	-108.21	0.99	0.98	0.38	-999
3	-67.63	-107.60	0.96	0.85	0.41	-999
3	-67.80	-107.24	0.88	0.90	0.29	-999
3	-68.01	-106.94	0.81	0.73	0.21	-999
3	-67.91	-106.44	0.81	0.80	0.28	-999
3	-67.80	-105.90	0.87	0.83	0.25	-999
3	-68.02	-105.60	0.91	0.77	0.28	-999
3	-68.23	-105.26	0.92	0.73	0.28	-999

3	-68.45	-104.99	0.96	0.82	0.32	-999
3	-68.62	-104.65	0.95	0.83	0.29	-999
3	-68.54	-104.04	0.92	0.90	0.25	-999
3	-68.45	-103.43	0.94	0.75	0.36	-999
3	-68.37	-102.84	0.95	0.73	0.31	-999
3	-68.28	-102.22	0.92	0.81	0.28	-999
3	-68.14	-101.96	0.89	0.71	0.31	-999
3	-67.91	-102.22	0.88	0.67	0.27	-999
3	-67.70	-102.47	0.92	0.74	0.33	-999
3	-67.38	-102.84	-999	-999	-999	-999
3	-67.15	-103.09	0.92	0.74	0.31	-999
3	-67.03	-102.62	0.96	0.79	0.34	-999
3	-66.89	-102.33	0.96	0.97	0.30	-999
3	-66.68	-102.61	1.00	0.83	0.37	-999
3	-66.47	-102.91	1.08	0.81	0.32	-999
3	-66.30	-102.84	1.07	0.86	0.34	-999
3	-66.18	-102.38	1.03	0.70	0.39	-999
3	-66.05	-101.92	1.04	0.66	0.35	-999
3	-65.94	-101.50	1.15	0.56	-999	-999
3	-65.81	-101.08	1.01	0.50	0.28	-999
3	-65.68	-100.66	1.24	0.68	0.45	-999
3	-65.55	-100.25	1.12	0.53	0.28	-999
3	-65.42	-99.84	0.96	0.57	0.27	-999
3	-65.30	-99.44	0.98	0.57	0.32	-999
3	-65.17	-99.03	0.92	0.82	0.32	-999
3	-65.04	-98.63	0.92	0.78	0.31	-999
3	-64.91	-98.24	0.89	0.79	0.36	-999
3	-64.79	-97.84	0.98	0.68	0.38	-999
3	-64.66	-97.44	0.84	0.66	0.30	-999
3	-64.53	-97.04	0.84	0.92	0.28	-999
3	-64.40	-96.64	0.73	0.62	0.25	-999
3	-64.27	-96.25	0.68	0.55	0.23	-999
3	-64.14	-95.85	0.60	0.64	0.23	-999
3	-64.01	-95.46	0.56	0.58	0.30	-999
3	-63.88	-95.06	0.63	0.63	0.28	-999
3	-63.74	-94.67	0.57	0.61	0.31	-999
3	-63.63	-94.42	0.66	0.74	0.30	-999
3	-63.47	-94.80	0.60	0.78	0.30	-999
3	-63.31	-95.17	0.55	0.72	0.31	-999
3	-63.14	-95.55	0.57	0.79	0.34	-999
3	-62.98	-95.92	0.61	0.86	0.25	-999
3	-62.82	-96.29	0.60	0.87	0.25	-999
3	-62.66	-96.65	0.55	0.77	0.31	-999
3	-62.50	-97.01	0.50	0.70	0.31	-999
3	-62.17	-97.73	0.48	0.81	0.31	-999
3	-62.01	-98.09	0.45	0.81	0.29	-999
3	-61.85	-98.45	0.45	0.78	0.32	-999

3	-61.68	-98.81	0.60	0.92	0.38	-999
3	-61.52	-99.16	0.66	0.82	0.30	-999
3	-61.36	-99.50	0.97	0.95	0.38	-999
3	-61.21	-99.84	0.98	0.95	0.45	-999
3	-61.06	-99.68	0.87	1.05	0.48	-999
3	-60.94	-99.26	0.87	0.87	0.38	-999
3	-60.81	-98.82	0.91	0.92	0.46	-999
3	-60.69	-98.39	0.90	0.91	0.50	-999
3	-60.56	-97.97	0.79	0.91	0.63	-999
3	-60.44	-97.56	0.75	0.96	0.57	-999
3	-60.32	-97.16	0.70	0.91	0.51	-999
3	-60.20	-96.76	0.69	0.97	0.52	-999
3	-60.28	-96.38	0.62	1.02	0.52	-999
3	-60.43	-96.02	0.65	0.94	0.47	-999
3	-60.58	-95.66	0.63	0.94	0.54	-999
3	-60.73	-95.30	0.67	1.02	0.52	-999
3	-60.88	-94.93	0.71	1.00	0.44	-999
3	-61.03	-94.55	0.76	1.32	0.56	-999
3	-61.19	-94.16	0.77	1.06	0.43	-999
3	-61.31	-93.73	0.79	0.95	-999	-999
3	-61.43	-93.28	0.82	1.04	0.48	-999
3	-61.55	-92.83	0.83	1.01	0.50	-999
3	-61.67	-92.38	0.87	0.91	0.42	-999
3	-61.76	-91.94	0.94	1.21	0.39	-999
3	-61.77	-91.43	0.97	1.01	0.44	-999
3	-61.77	-90.94	0.97	1.01	0.41	-999
3	-61.82	-90.47	1.00	1.08	0.42	-999
3	-61.95	-90.04	1.06	0.98	0.51	-999
3	-62.08	-89.61	1.11	0.98	0.47	-999
3	-62.21	-89.17	1.13	1.04	0.42	-999
3	-62.34	-88.73	1.18	0.98	0.51	-999
3	-62.47	-88.29	1.26	0.92	0.40	-999
3	-62.60	-87.82	1.14	1.03	0.42	-999
3	-62.76	-87.30	1.13	1.36	0.50	-999
3	-62.89	-86.83	1.14	0.92	0.45	-999
3	-63.03	-86.36	1.06	0.93	0.45	-999
3	-63.07	-85.91	1.02	0.94	0.48	-999
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3	-62.03	-83.53	0.99	0.87	0.52	-999
3	-61.89	-83.10	1.25	0.72	0.45	-999
3	-61.75	-82.66	1.39	1.10	0.48	-999
3	-61.62	-82.24	1.24	1.08	0.44	-999

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3	-61.22	-81.00	1.27	0.59	0.43	-999
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3	-60.47	-78.70	1.31	0.72	0.47	-999
3	-60.33	-78.28	1.32	0.71	0.35	-999
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3	-59.25	-75.09	1.34	1.10	0.51	-999
3	-59.13	-74.71	1.31	1.10	0.50	-999
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3	-58.89	-74.03	1.19	1.20	0.55	-999
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3	-58.33	-72.42	0.68	0.81	0.25	-999
3	-58.19	-72.03	1.02	0.92	0.51	-999
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3	-57.91	-71.25	0.83	1.06	0.51	-999
3	-57.77	-70.88	0.87	0.96	0.57	-999
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3	-56.60	-67.92	0.77	0.94	0.49	-999
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3	-56.28	-67.26	0.73	1.02	0.49	-999
3	-56.12	-66.95	0.92	0.99	0.54	-999
3	-55.90	-66.56	1.00	0.84	0.46	-999
3	-55.69	-66.19	1.07	1.02	0.47	-999
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3	-54.88	-64.97	1.12	1.01	0.61	-999
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3	-54.37	-65.28	-999	-999	-999	-999
3	-54.20	-65.58	1.06	0.99	0.56	-999

3	-54.01	-65.90	1.15	0.69	0.50	-999
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3	-53.29	-67.12	1.53	0.64	0.57	-999
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4	-44.38	146.19	1.39	-999	0.35	-999
4	-44.37	146.22	1.31	-999	0.21	-999
4	-44.36	146.25	1.29	-999	0.25	-999
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4	-44.72	146.04	1.69	-999	0.51	-999
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4	-44.70	145.71	-999	-999	-999	-999
4	-44.69	145.67	-999	-999	-999	-999
4	-44.72	145.48	-999	-999	-999	-999
4	-44.73	145.44	1.77	-999	0.15	-999
4	-44.75	145.41	2.01	-999	0.12	-999
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4	-45.21	145.91	1.73	-999	0.21	-999
4	-45.22	145.85	1.72	-999	0.20	-999
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4	-45.49	145.73	1.80	-999	0.21	-999
4	-45.58	145.71	1.81	-999	0.36	-999
4	-45.70	145.66	1.75	-999	0.20	-999
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4	-45.73	145.66	1.45	-999	0.28	-999
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4	-45.77	145.67	-999	-999	0.16	-999
4	-46.14	145.61	-999	-999	0.24	-999
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4	-46.46	145.34	2.05	-999	0.12	-999
4	-46.53	145.31	2.24	-999	0.01	-999
4	-46.64	145.26	2.41	-999	0.15	-999
4	-46.64	145.26	2.73	-999	0.08	-999
4	-46.65	145.25	3.03	-999	0.14	-999
4	-46.65	145.25	2.90	-999	0.07	-999
4	-46.70	145.22	-999	-999	0.17	-999

4	-46.76	145.18	2.24	-999	0.09	-999
4	-47.15	144.91	1.63	-999	0.21	-999
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4	-47.14	144.89	1.71	-999	0.21	-999
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4	-47.13	144.89	0.99	-999	0.05	-999
4	-47.12	144.89	1.12	-999	-999	-999
4	-47.09	144.51	-999	-999	0.38	-999
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4	-53.52	142.11	1.04	1.76	0.28	-999
4	-53.65	142.29	1.04	1.66	0.24	-999
4	-53.66	142.22	1.13	1.97	0.26	-999
4	-53.67	142.05	1.07	1.84	0.25	-999
4	-53.67	141.97	1.20	1.99	0.24	-999
4	-53.67	141.80	-999	-999	0.26	-999
4	-53.67	141.71	1.44	2.12	0.25	-999
4	-53.66	141.51	1.39	1.76	0.18	-999
4	-53.65	141.41	1.42	1.78	0.17	-999
4	-53.65	141.19	1.33	1.69	0.11	-999
4	-53.67	141.34	1.45	1.70	0.19	-999
4	-53.75	141.76	1.78	2.08	0.12	-999
4	-53.74	141.76	1.45	2.12	0.18	-999

4	-53.74	141.76	1.55	1.87	0.19	-999
4	-53.75	141.79	1.24	1.45	0.09	-999
4	-53.74	141.81	1.15	1.62	0.16	-999
4	-53.73	141.85	1.03	1.94	0.19	-999
4	-53.74	141.85	1.04	1.70	0.14	-999
4	-53.74	141.85	0.93	1.34	0.13	-999
4	-53.74	141.85	1.03	1.44	0.29	-999
4	-53.74	141.86	-999	-999	0.38	-999
4	-53.74	141.87	1.12	1.32	0.28	-999
4	-53.74	141.88	1.03	1.07	0.27	-999
4	-53.74	141.88	1.12	-999	0.24	-999
4	-53.73	141.90	1.07	1.67	0.17	-999
4	-53.73	141.90	1.07	1.93	0.24	-999
4	-53.74	141.81	1.04	1.89	0.29	-999
4	-53.74	141.81	1.07	1.76	0.28	-999
4	-53.74	141.76	-999	1.52	0.31	-999
4	-53.74	141.76	-999	-999	-999	-999
4	-53.78	141.89	1.07	0.98	0.34	-999
4	-53.78	141.89	1.07	1.08	0.44	-999
4	-53.77	141.89	1.12	1.03	0.43	-999
4	-53.77	141.90	1.13	1.17	0.43	-999
4	-53.78	141.91	1.09	1.20	0.52	-999
4	-53.78	141.92	1.11	1.32	0.49	-999
4	-53.78	141.93	1.07	1.33	0.56	-999
4	-53.79	141.94	1.04	1.37	0.46	-999
4	-53.78	141.95	1.00	1.23	0.47	-999
4	-53.78	141.95	1.16	1.36	0.53	-999
4	-53.78	141.95	1.16	1.32	0.45	-999
4	-53.78	141.95	1.14	1.35	0.44	-999
4	-53.78	141.94	-999	-999	0.38	-999
4	-53.77	141.94	1.22	1.23	0.20	-999
4	-53.77	141.94	1.22	1.13	0.22	-999
4	-53.82	141.87	1.24	1.20	0.28	-999
4	-54.02	141.65	1.33	1.15	0.19	-999
4	-54.07	141.60	1.35	1.17	0.14	-999
4	-54.07	141.60	1.49	1.28	0.23	-999
4	-54.07	141.61	1.52	1.30	0.14	-999
4	-54.06	141.61	1.39	1.46	0.17	-999
4	-54.06	141.61	1.34	1.51	0.20	-999
4	-54.09	141.59	1.28	1.65	0.18	-999
4	-54.18	141.54	1.22	1.70	0.19	-999
4	-54.43	141.39	1.23	1.66	0.22	-999
4	-54.50	141.35	1.22	1.71	0.18	-999
4	-54.53	141.34	1.37	1.65	0.18	-999
4	-54.53	141.34	1.39	1.66	0.14	-999
4	-54.53	141.35	-999	-999	0.20	-999
4	-54.53	141.35	1.47	1.71	0.22	-999

4	-54.54	141.35	1.41	1.50	0.21	-999
4	-54.54	141.35	1.41	1.38	0.22	-999
4	-54.54	141.35	1.28	1.38	0.17	-999
4	-54.61	141.30	1.25	1.43	0.17	-999
4	-54.69	141.25	1.14	1.29	0.33	-999
4	-54.76	141.20	1.08	1.42	0.33	-999
4	-54.96	141.06	1.15	1.48	0.23	-999
4	-55.02	141.02	1.17	1.39	0.29	-999
4	-55.02	141.03	1.17	1.27	0.15	-999
4	-55.01	141.02	1.21	1.28	0.20	-999
4	-55.01	141.03	1.16	1.24	0.15	-999
4	-55.04	140.98	1.25	1.34	0.16	-999
4	-55.23	140.65	1.25	1.39	0.11	-999
4	-55.34	140.50	1.33	1.42	0.15	-999
4	-55.49	140.73	-999	-999	0.17	-999
4	-55.48	140.73	1.56	1.41	0.23	-999
4	-55.48	140.73	1.49	1.16	0.09	-999
4	-55.47	140.73	1.48	1.12	0.10	-999
4	-55.56	140.68	1.37	1.09	0.13	-999
4	-55.72	140.56	1.20	1.20	0.10	-999
4	-55.92	140.41	1.21	1.20	0.11	-999
4	-55.92	140.42	1.20	1.17	0.15	-999
4	-55.91	140.42	-999	1.41	0.22	-999
4	-56.00	140.36	1.13	1.24	0.11	-999
4	-56.34	140.16	1.05	1.10	0.16	-999
4	-56.43	140.10	1.00	1.13	0.16	-999
4	-56.42	140.11	1.00	1.04	0.23	-999
4	-56.41	140.11	1.03	1.11	0.20	-999
4	-56.76	139.97	1.04	0.98	0.24	-999
4	-56.93	139.90	1.08	1.12	0.19	-999
4	-56.94	139.85	1.18	1.29	0.25	-999
4	-56.93	139.86	1.22	1.35	0.33	-999
4	-56.92	139.85	-999	-999	0.26	-999
4	-56.92	139.88	1.28	1.20	0.16	-999
4	-56.91	139.89	1.18	1.02	0.14	-999
4	-56.90	139.91	1.29	1.06	0.12	-999
4	-56.89	139.92	1.20	0.98	0.08	-999
4	-56.89	139.93	1.33	1.08	0.06	-999
4	-56.88	139.93	1.30	1.18	0.05	-999
4	-56.94	139.86	1.28	1.14	0.06	-999
4	-57.06	139.65	-999	1.04	0.12	-999
4	-57.15	139.90	1.29	1.05	0.06	-999
4	-57.23	140.26	1.16	0.77	0.11	-999
4	-57.26	140.20	1.41	0.87	0.11	-999
4	-57.31	140.05	1.37	1.07	0.09	-999
4	-57.33	139.97	1.44	1.05	0.14	-999
4	-57.39	139.81	1.38	0.99	0.11	-999

4	-57.42	139.72	1.40	1.20	0.09	-999
4	-57.41	139.71	1.14	1.13	0.09	-999
4	-57.36	139.85	1.18	1.19	0.06	-999
4	-57.50	139.53	-999	1.24	0.15	-999
4	-57.57	139.36	1.16	0.87	0.17	-999
4	-57.74	139.54	0.99	0.77	0.10	-999
4	-57.83	139.80	1.04	0.75	0.10	-999
4	-57.85	139.86	0.97	0.72	0.12	-999
4	-57.86	139.86	0.98	0.84	0.12	-999
4	-57.85	139.85	-999	1.11	0.33	-999
4	-57.85	139.84	1.14	1.11	0.37	-999
4	-57.88	139.81	0.96	0.93	0.34	-999
4	-58.03	139.84	0.96	0.92	0.29	-999
4	-58.27	139.81	0.88	0.95	0.19	-999
4	-58.31	139.75	0.96	1.00	0.22	-999
4	-58.40	139.61	1.00	1.01	0.20	-999
4	-58.45	139.54	0.96	0.98	0.21	-999
4	-58.54	139.39	1.01	0.98	0.19	-999
4	-58.59	139.32	1.06	0.93	0.20	-999
4	-58.67	139.29	-999	0.99	0.26	-999
4	-58.76	139.60	1.06	0.85	0.20	-999
4	-58.76	140.08	1.10	0.80	0.26	-999
4	-58.84	139.89	1.17	0.93	0.25	-999
4	-58.85	139.85	1.14	0.89	0.20	-999
4	-58.85	139.85	1.33	1.05	0.14	-999
4	-58.84	139.83	1.17	0.94	0.11	-999
4	-58.84	139.83	1.11	0.96	0.06	-999
4	-59.09	139.87	1.19	1.19	0.22	-999
4	-59.26	139.87	1.18	1.09	0.22	-999
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4	-59.51	139.85	0.86	0.68	0.12	-999
4	-59.70	139.85	0.94	0.71	0.08	-999
4	-59.84	139.85	0.89	0.83	0.16	-999
4	-59.84	139.84	0.99	0.88	0.14	-999
4	-59.82	139.84	1.11	-999	0.15	-999
4	-59.82	139.85	1.00	1.01	0.09	-999
4	-60.13	139.82	1.03	1.09	0.10	-999
4	-60.30	139.84	1.20	1.15	0.15	-999
4	-60.34	139.84	1.10	1.22	0.12	-999
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4	-60.33	139.85	0.87	1.52	0.16	-999
4	-60.37	139.83	0.99	2.00	0.19	-999
4	-60.55	139.41	1.04	2.43	0.09	-999
4	-60.65	139.53	1.20	2.32	0.09	-999
4	-60.75	139.96	-999	-999	0.15	-999
4	-60.75	139.94	0.92	1.54	0.17	-999

4	-60.74	139.89	0.83	1.37	0.10	-999
4	-60.74	139.88	0.88	1.34	0.12	-999
4	-60.73	139.89	0.96	1.60	0.16	-999
4	-60.74	139.79	1.07	1.60	0.14	-999
4	-60.77	139.57	1.05	1.46	0.17	-999
4	-60.78	139.46	1.01	1.59	0.23	-999
4	-60.77	139.22	-999	1.85	0.27	-999
4	-60.75	139.12	1.00	1.71	0.23	-999
4	-60.72	138.95	1.02	1.69	0.21	-999
4	-60.70	138.88	1.07	1.68	0.22	-999
4	-60.67	138.74	1.12	1.70	0.25	-999
4	-60.65	138.67	1.21	1.79	0.27	-999
4	-60.68	138.93	1.10	1.79	0.17	-999
4	-60.74	139.28	1.10	1.65	0.20	-999
4	-60.85	139.86	-999	-999	0.38	-999
4	-60.85	139.86	0.95	1.32	0.22	-999
4	-60.85	139.87	0.91	1.30	0.22	-999
4	-60.84	139.87	1.07	1.43	0.30	-999
4	-60.84	139.87	0.94	1.42	0.23	-999
4	-60.84	139.87	0.98	1.38	0.25	-999
4	-60.83	139.89	0.91	1.32	0.11	-999
4	-60.82	139.91	1.02	1.43	0.26	-999
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4	-60.81	139.93	0.88	1.18	0.21	-999
4	-60.80	139.94	0.98	1.24	0.13	-999
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4	-60.79	139.95	1.03	1.34	0.22	-999
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4	-60.91	139.98	1.04	1.07	0.24	-999
4	-61.05	139.93	1.09	1.14	0.35	-999
4	-61.33	139.85	1.04	1.08	0.17	-999
4	-61.34	139.85	1.11	1.12	0.23	-999
4	-61.33	139.85	1.10	1.07	0.17	-999
4	-61.32	139.89	1.08	1.05	0.22	-999
4	-61.31	139.88	-999	0.99	0.22	-999
4	-61.31	139.88	1.04	0.80	0.04	-999
4	-61.57	139.85	1.02	0.58	0.01	-999
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4	-61.85	139.85	1.32	0.78	0.06	-999
4	-61.85	139.85	1.35	0.84	0.03	-999
4	-61.89	139.84	1.32	0.83	0.14	-999

4	-62.08	139.84	1.36	0.88	0.07	-999
4	-62.35	139.82	1.17	0.77	0.03	-999
4	-62.35	139.81	1.20	0.77	0.08	-999
4	-62.36	139.80	-999	0.93	0.16	-999
4	-62.35	139.80	1.12	0.98	0.20	-999
4	-62.36	139.82	0.93	1.07	0.27	-999
4	-62.36	139.85	1.00	1.09	0.43	-999
4	-62.32	139.89	0.96	0.96	0.33	-999
4	-62.31	139.90	1.01	0.94	0.30	-999
4	-62.05	139.91	0.98	0.85	0.22	-999
4	-61.93	139.90	1.07	0.84	0.29	-999
4	-61.55	139.85	-999	1.02	0.31	-999
4	-61.40	139.82	1.04	0.95	0.33	-999
4	-61.34	139.82	0.85	0.89	0.31	-999
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4	-61.39	139.83	0.84	0.83	0.33	-999
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4	-61.45	139.77	-999	-999	-999	-999
4	-61.57	139.78	1.01	0.93	0.22	-999
4	-61.96	139.80	-999	0.96	0.34	-999
4	-62.15	139.81	1.06	0.80	0.26	-999
4	-62.46	139.66	1.01	0.78	0.26	-999
4	-62.58	139.75	1.15	0.90	0.24	-999
4	-62.65	139.82	0.99	0.89	0.28	-999
4	-62.78	139.84	0.92	0.91	0.25	-999
4	-62.84	139.86	0.84	0.89	0.27	-999
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4	-63.37	139.86	0.82	0.64	0.11	-999
4	-63.36	139.87	0.87	0.63	0.19	-999
4	-63.36	139.88	1.17	0.78	0.19	-999
4	-63.36	139.89	1.43	0.98	0.13	-999
4	-63.37	139.87	1.42	1.06	0.16	-999
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4	-63.86	140.01	0.85	0.85	0.27	-999
4	-63.84	140.02	0.91	0.88	0.28	-999
4	-63.83	140.01	0.91	0.99	0.28	-999
4	-63.83	140.00	1.00	1.01	0.31	-999

4	-63.81	139.99	0.96	1.01	0.23	-999
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4	-63.81	139.95	1.08	0.85	0.17	-999
4	-63.84	139.95	1.18	0.90	0.26	-999
4	-63.83	139.99	1.23	0.87	0.29	-999
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4	-64.42	141.11	1.26	1.34	0.30	-999
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4	-64.52	141.39	1.32	1.24	0.23	-999
4	-64.52	141.40	1.40	1.38	0.35	-999
4	-64.64	141.60	1.39	1.47	0.31	-999
4	-64.73	141.77	1.43	1.47	0.34	-999
4	-64.78	141.83	-999	1.63	0.33	-999
4	-64.78	141.84	1.20	1.60	0.36	-999
4	-65.02	142.45	0.94	0.90	0.39	-999
4	-65.02	142.44	0.96	1.14	0.28	-999
4	-65.06	142.48	0.91	0.95	0.27	-999
4	-65.15	142.73	0.93	1.01	0.31	-999
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4	-65.26	143.08	0.99	0.93	0.30	-999
4	-65.26	143.09	1.00	0.96	0.25	-999
4	-65.26	143.11	1.04	1.09	0.26	-999
4	-65.29	143.18	1.03	1.05	0.20	-999
4	-65.41	143.19	1.06	1.07	0.23	-999
4	-65.53	143.17	0.96	0.97	0.28	-999
4	-65.54	143.17	1.07	1.12	0.23	-999
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4	-65.53	143.19	0.95	0.81	0.16	-999
4	-65.69	143.07	1.07	0.65	0.15	-999
4	-65.69	143.08	1.01	0.60	0.09	-999
4	-65.77	142.96	0.89	0.50	0.11	-999
4	-65.77	142.90	1.12	0.54	0.10	-999
4	-65.84	142.92	1.10	0.53	0.06	-999
4	-65.81	142.90	1.01	0.44	0.05	-999
4	-65.83	142.93	1.00	0.51	0.07	-999

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4	-65.99	143.17	1.08	0.52	0.12	-999
4	-66.07	143.06	1.04	0.52	0.05	-999
4	-66.15	142.92	1.11	0.61	0.04	-999
4	-66.20	142.92	1.11	0.60	0.03	-999
4	-66.20	143.15	1.21	0.74	0.06	-999
4	-66.20	143.41	1.14	0.57	0.02	-999
4	-66.20	143.49	1.17	0.54	0.08	-999
4	-66.27	143.76	-999	0.49	0.15	-999
4	-66.46	143.99	0.80	0.40	0.02	-999
4	-66.59	144.20	0.69	0.35	0.09	-999
4	-66.58	144.21	0.69	0.35	0.01	-999
4	-66.59	144.24	0.74	0.39	0.05	-999
4	-66.59	144.25	1.01	0.44	0.02	-999
4	-66.59	144.25	1.28	0.53	0.03	-999
4	-66.58	144.25	1.76	0.69	0.02	-999
4	-66.59	144.28	1.90	0.73	0.03	-999
4	-66.98	144.58	1.85	0.66	0.06	-999
4	-67.08	144.78	1.99	0.73	0.04	-999
4	-67.17	144.78	1.83	0.72	0.03	-999
4	-67.16	144.77	1.94	0.65	0.04	-999
4	-67.16	144.95	1.79	0.58	0.08	-999
4	-67.04	145.28	1.78	0.72	0.06	-999
4	-66.97	145.26	1.64	0.70	0.09	-999
4	-66.96	145.22	1.66	0.60	0.01	-999
4	-66.62	144.66	-999	0.65	0.04	-999
4	-66.49	144.48	0.75	0.53	0.08	-999
4	-66.38	144.30	0.63	0.54	0.08	-999
4	-66.37	144.32	0.72	0.50	0.14	-999
4	-66.24	144.43	0.76	0.50	0.11	-999
4	-66.13	144.50	0.84	0.55	0.10	-999
4	-66.02	144.49	0.84	0.56	0.13	-999
4	-65.97	144.49	0.82	0.59	0.13	-999
4	-65.89	144.51	0.80	0.65	0.09	-999
4	-65.81	144.51	0.94	0.57	0.06	-999
4	-65.79	144.53	1.01	0.60	0.07	-999
4	-65.78	144.53	1.07	0.55	0.14	-999
4	-65.80	144.23	1.16	0.61	0.04	-999
4	-65.85	143.66	1.26	0.64	0.09	-999
4	-66.09	142.68	1.15	0.61	0.04	-999
4	-66.19	142.39	1.21	0.61	0.05	-999
4	-66.35	141.76	-999	0.66	0.01	-999
4	-66.34	141.76	1.00	0.56	0.04	-999
4	-66.34	141.76	0.86	0.71	0.06	-999
4	-66.33	141.76	0.79	0.65	0.14	-999
4	-66.33	141.77	0.75	0.58	0.03	-999
4	-66.33	141.77	0.73	0.64	0.08	-999

4	-66.42	141.94	0.73	0.48	0.01	-999
4	-66.56	141.91	0.82	0.48	0.06	-999
4	-66.62	141.79	0.94	0.65	0.00	-999
4	-66.61	141.78	1.00	0.79	0.06	-999
4	-66.48	141.98	1.11	0.95	0.05	-999
4	-66.46	141.76	1.32	1.01	0.08	-999
4	-66.47	141.48	1.78	0.89	0.04	-999
4	-66.46	141.41	1.78	0.90	0.04	-999
4	-66.46	141.41	1.36	1.10	0.02	-999
4	-66.46	141.41	1.15	1.05	0.02	-999
4	-66.47	141.43	1.07	0.99	0.09	-999
4	-66.47	141.45	0.92	0.82	0.01	-999
4	-66.47	141.50	0.73	0.59	0.05	-999
4	-66.47	141.53	0.62	0.54	0.06	-999
4	-66.47	141.58	0.60	0.43	0.08	-999
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4	-66.46	141.66	0.56	0.51	0.05	-999
4	-66.46	141.68	0.55	0.51	-999	-999
4	-66.46	141.72	0.66	0.56	0.04	-999
4	-66.47	141.70	1.51	0.78	0.02	-999
4	-66.47	141.70	1.55	0.84	0.05	-999
4	-66.46	141.67	1.51	0.86	0.03	-999
4	-66.47	141.56	1.23	0.79	0.09	-999
4	-66.56	141.47	0.80	0.63	0.09	-999
4	-66.56	141.47	0.70	0.52	0.10	-999
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4	-66.56	141.47	0.78	0.55	0.08	-999
4	-66.56	141.47	1.01	0.69	0.08	-999
4	-66.56	141.47	0.96	0.69	0.14	-999
4	-66.56	141.47	1.27	0.97	0.18	-999
4	-66.56	141.47	1.35	0.90	0.04	-999
4	-66.56	141.47	1.38	0.77	0.19	-999
4	-66.56	141.48	1.22	0.77	0.16	-999
4	-66.31	141.26	1.45	1.03	0.19	-999
4	-66.22	141.03	1.24	1.02	0.37	-999
4	-66.05	140.56	1.45	0.99	0.39	-999
4	-66.01	140.31	1.66	1.19	0.43	-999
4	-65.93	140.51	1.57	1.20	0.19	-999
4	-65.92	140.73	1.54	1.28	0.20	-999
4	-65.79	140.92	1.13	1.12	0.14	-999
4	-65.74	141.07	1.08	1.03	0.13	-999
4	-65.70	141.12	0.84	0.86	0.17	-999
4	-65.68	141.17	0.97	0.82	0.16	-999
4	-65.67	141.20	0.64	0.66	0.19	-999
4	-65.61	141.24	0.65	0.78	0.19	-999
4	-65.56	141.29	0.67	0.97	0.21	-999
4	-65.50	141.26	0.72	0.62	0.15	-999

4	-65.50	141.26	0.81	0.67	0.18	-999
4	-65.33	141.29	0.92	0.74	0.17	-999
4	-65.32	141.29	0.95	0.76	0.21	-999
4	-65.30	141.11	0.92	0.70	0.20	-999
4	-65.21	140.85	0.94	0.72	0.18	-999
4	-65.13	140.64	0.92	0.78	0.17	-999
4	-65.13	140.65	0.95	0.86	0.16	-999
4	-65.02	140.40	0.94	0.81	0.12	-999
4	-64.95	140.17	1.03	0.83	0.12	-999
4	-64.88	139.88	0.99	0.84	0.12	-999
4	-64.88	139.87	0.97	0.83	0.11	-999
4	-64.87	139.87	0.92	0.68	0.10	-999
4	-64.87	139.88	1.01	0.75	0.11	-999
4	-64.87	139.87	1.07	0.81	0.07	-999
4	-64.87	139.86	1.00	0.66	0.04	-999
4	-64.87	139.85	0.80	0.53	0.05	-999
4	-64.86	139.85	0.81	0.57	0.08	-999
4	-64.87	139.89	0.80	0.56	0.02	-999
4	-64.79	139.91	0.81	0.53	0.06	-999
4	-64.51	139.89	0.83	0.57	0.08	-999
4	-64.51	139.90	0.83	0.57	-999	-999
4	-64.38	139.94	0.83	0.59	0.06	-999
4	-64.26	139.91	0.88	0.55	0.02	-999
4	-63.99	139.89	0.94	0.52	0.08	-999
4	-63.91	139.84	1.06	0.43	0.04	-999
4	-63.91	139.83	1.02	0.45	0.08	-999
4	-63.90	139.81	1.00	0.58	0.08	-999
4	-63.89	139.80	1.00	0.58	0.01	-999
4	-63.88	139.76	0.86	0.51	0.05	-999
4	-63.87	139.66	0.93	0.49	0.15	-999
4	-63.86	139.37	1.02	0.65	0.18	-999
4	-63.84	139.37	1.03	0.54	0.13	-999
4	-63.79	139.35	0.83	0.47	0.10	-999
4	-63.78	139.26	0.82	0.53	0.06	-999
4	-63.76	139.29	0.83	0.49	0.04	-999
4	-63.75	139.35	0.89	0.63	0.02	-999
4	-63.72	139.47	0.95	0.59	0.08	-999
4	-63.66	139.49	1.13	0.66	0.03	-999
4	-63.44	139.54	1.24	0.68	0.06	-999
4	-63.30	139.58	1.26	0.72	0.06	-999
4	-63.13	139.60	1.38	1.16	0.21	-999
4	-63.05	139.61	1.47	1.30	0.19	-999
4	-62.87	139.65	1.43	1.22	0.15	-999
4	-62.76	139.67	1.50	1.15	0.24	-999
4	-62.77	139.95	1.32	1.02	0.21	-999
4	-62.82	139.99	1.20	1.15	0.27	-999
4	-62.78	140.01	-999	1.30	0.31	-999

4	-62.68	140.07	1.10	1.08	0.13	-999
4	-62.61	140.68	1.21	1.11	0.17	-999
4	-62.41	140.60	1.42	1.22	0.30	-999
4	-62.01	140.35	1.21	1.30	0.20	-999
4	-61.83	140.44	1.01	1.26	0.20	-999
4	-61.58	140.29	0.78	0.94	0.18	-999
4	-61.42	140.20	0.74	0.95	0.17	-999
4	-61.12	139.98	0.85	1.07	0.19	-999
4	-60.99	139.84	1.09	1.06	0.20	-999
4	-60.84	139.88	1.18	0.93	0.21	-999
4	-60.84	139.89	1.04	0.95	0.19	-999
4	-60.83	139.90	0.91	0.96	0.21	-999
4	-60.83	139.92	0.91	0.89	0.27	-999
4	-60.83	139.94	0.93	0.93	0.27	-999
4	-60.82	139.96	0.90	0.97	0.31	-999
4	-60.80	139.94	1.02	1.04	0.15	-999
4	-60.80	139.95	0.89	0.93	0.17	-999
4	-60.69	139.93	0.83	0.96	0.20	-999
4	-60.49	139.93	0.79	1.03	0.16	-999
4	-60.24	139.82	0.82	0.97	0.12	-999
4	-59.28	139.86	0.99	1.05	0.13	-999
4	-58.81	139.90	1.02	1.01	0.18	-999
4	-58.59	139.91	1.01	1.02	0.23	-999
4	-58.14	139.96	1.12	1.03	0.24	-999
4	-57.92	139.97	1.20	1.09	0.24	-999
4	-57.60	139.96	1.26	1.15	0.29	-999
4	-57.47	139.94	1.30	1.10	0.17	-999
4	-57.23	139.92	1.04	1.00	0.29	-999
4	-57.10	139.89	0.89	0.98	0.25	-999
4	-56.92	139.84	0.76	0.96	0.34	-999
4	-56.89	139.81	0.77	1.05	0.33	-999
4	-56.83	139.71	0.78	1.17	0.46	-999
4	-56.92	139.90	0.77	1.09	0.36	-999
4	-56.92	139.83	0.91	0.98	0.40	-999
4	-56.91	139.77	0.84	0.92	0.35	-999
4	-56.89	139.65	0.82	0.87	0.29	-999
4	-56.88	139.59	0.85	0.94	0.31	-999
4	-56.85	139.49	0.82	0.97	0.21	-999
4	-56.84	139.45	0.83	1.02	0.30	-999
4	-56.83	139.36	0.89	1.00	0.19	-999
4	-56.83	139.31	0.89	1.00	0.18	-999
4	-56.81	139.62	1.00	0.92	0.15	-999
4	-56.79	140.04	1.12	0.93	0.22	-999
4	-56.82	140.07	1.06	0.98	0.18	-999
4	-56.93	139.83	1.02	0.93	0.15	-999
4	-56.92	139.81	1.06	0.91	0.16	-999
4	-56.57	140.09	1.18	0.96	0.15	-999

4	-56.35	140.24	1.23	0.98	0.17	-999
4	-55.90	140.54	1.20	0.86	0.15	-999
4	-55.68	140.67	1.14	1.00	0.13	-999
4	-55.23	140.95	0.96	0.88	0.12	-999
4	-55.01	141.09	0.83	0.83	0.12	-999
4	-54.57	141.36	0.76	0.81	0.24	-999
4	-54.34	141.49	0.73	0.82	0.10	-999
4	-53.91	141.77	0.85	0.84	0.17	-999
4	-53.71	141.90	0.90	0.84	0.11	-999
4	-53.52	142.05	0.90	0.80	0.13	-999
4	-53.13	142.30	0.93	0.76	0.10	-999
4	-52.91	142.43	0.98	0.78	0.19	-999
4	-52.47	142.67	1.02	0.80	0.11	-999
4	-52.23	142.78	1.01	0.78	0.16	-999
4	-51.77	142.98	1.04	0.77	0.17	-999
4	-51.54	143.09	1.04	0.82	0.21	-999
4	-51.08	143.28	0.90	0.79	0.13	-999
4	-51.01	143.31	0.79	0.75	0.10	-999
4	-51.00	143.32	0.72	0.74	0.13	-999
4	-50.95	143.36	0.74	0.79	0.17	-999
4	-50.90	143.38	0.82	0.86	0.21	-999
4	-50.94	143.33	0.79	0.83	0.21	-999
4	-51.05	143.20	0.79	0.82	0.29	-999
4	-51.11	143.14	0.74	1.07	0.35	-999
4	-51.22	143.05	0.79	1.03	0.52	-999
4	-51.28	143.01	0.85	1.05	0.61	-999
4	-51.39	142.98	1.13	1.00	0.54	-999
4	-51.34	143.02	1.29	1.02	0.73	-999
4	-50.89	143.28	1.27	1.11	0.56	-999
4	-50.19	143.64	1.07	0.95	0.52	-999
4	-49.96	143.75	1.03	0.98	0.55	-999
4	-49.51	144.03	1.13	0.93	0.57	-999
4	-49.29	144.17	1.11	0.94	0.47	-999
4	-48.85	144.43	1.02	0.85	0.54	-999
4	-48.63	144.56	1.05	0.86	0.46	-999
4	-48.18	144.79	0.92	0.85	0.44	-999
4	-47.96	144.90	0.87	0.83	0.44	-999
4	-47.52	145.11	0.95	0.83	0.46	-999
4	-47.30	145.24	0.79	0.76	0.41	-999
4	-46.87	145.51	0.70	0.68	0.32	-999
4	-46.64	145.65	0.71	0.71	0.35	-999
4	-45.95	146.05	0.67	0.74	0.30	-999
4	-44.85	146.68	0.76	0.73	0.32	-999
4	-44.63	146.78	0.73	0.68	0.33	-999
5	-999	-999	-999	-999	0.96	-999
5	27.16	-79.36	-999	-999	0.95	-999
5	27.30	-79.28	-999	-999	1.15	-999

5	27.92	-78.42	-999	1.28	0.68	-999
5	28.10	-78.06	-999	1.99	0.68	-999
5	29.45	-75.33	-999	0.86	0.26	-999
5	30.17	-73.76	-999	-999	0.32	-999
5	30.42	-73.13	-999	0.49	0.39	-999
5	30.65	-72.62	-999	0.66	0.59	-999
5	30.81	-72.35	-999	-999	0.43	-999
5	31.04	-71.80	-999	-999	0.48	-999
5	31.14	-71.52	-999	0.31	0.58	-999
5	31.37	-70.95	-999	0.38	0.62	-999
5	31.49	-70.68	-999	0.79	0.68	-999
5	31.75	-70.17	-999	0.82	0.72	-999
5	31.88	-69.87	-999	0.93	0.79	-999
5	32.09	-69.29	-999	0.58	0.58	-999
5	32.20	-69.00	-999	0.08	0.77	-999
5	32.42	-68.41	-999	0.37	0.71	-999
5	32.52	-68.12	0.40	-999	0.43	-999
5	32.74	-67.55	0.44	0.86	0.44	-999
5	32.86	-67.27	0.62	0.78	0.53	-999
5	33.05	-66.73	0.33	1.14	0.41	-999
5	33.18	-66.44	0.45	0.68	0.42	-999
5	33.40	-65.85	0.43	0.41	0.48	-999
5	33.52	-65.55	-999	0.83	0.51	-999
5	33.64	-65.19	0.31	0.46	0.48	-999
5	33.75	-64.87	0.42	0.76	0.53	-999
5	33.98	-64.25	0.30	1.04	0.64	-999
5	34.09	-63.95	-999	1.07	0.78	-999
5	36.11	-57.36	0.34	0.90	0.68	-999
5	36.19	-57.02	-999	0.74	1.06	-999
5	36.36	-56.42	0.34	1.03	0.82	-999
5	36.43	-56.10	-999	1.20	0.91	-999
5	36.62	-55.46	0.41	0.63	0.90	-999
5	36.71	-55.13	0.56	0.64	0.81	-999
5	36.73	-54.80	0.49	0.98	0.92	-999
5	36.69	-54.76	0.63	-999	-999	-999
5	36.82	-54.49	-999	-999	-999	-999
5	36.90	-54.29	-999	-999	-999	-999
5	37.08	-53.71	0.34	0.91	0.37	-999
5	37.13	-53.40	0.49	1.02	0.67	-999
5	37.29	-52.66	0.46	0.98	0.73	-999
5	37.38	-52.28	-999	-999	-999	-999
5	37.51	-51.70	0.47	0.56	0.99	-999
5	37.57	-51.42	0.46	0.71	0.98	-999
5	37.69	-50.84	0.61	1.11	0.82	-999
5	37.76	-50.56	0.63	1.36	0.98	-999
5	37.97	-49.43	0.55	1.39	0.90	-999
5	38.04	-49.13	0.43	1.03	0.83	-999

5	38.12	-48.54	0.51	1.32	0.71	-999
5	38.18	-48.24	-999	1.24	0.69	-999
5	38.26	-47.86	-999	-999	0.63	-999
5	38.32	-47.56	0.43	1.26	0.55	-999
5	38.41	-46.96	0.37	0.75	0.54	-999
5	38.46	-46.63	0.51	0.72	0.41	-999
5	38.59	-45.96	0.41	1.11	0.54	-999
5	38.65	-45.66	0.50	1.10	0.62	-999
5	38.74	-45.04	0.62	0.59	0.63	-999
5	38.78	-44.72	0.75	1.13	0.65	-999
5	38.88	-44.13	0.72	0.64	0.56	-999
5	38.92	-43.80	0.52	1.24	0.72	-999
5	39.00	-43.11	0.46	0.81	0.82	-999
5	39.03	-42.84	0.53	1.18	0.97	-999
5	39.14	-42.20	0.42	0.89	0.84	-999
5	39.20	-41.88	0.42	0.97	0.63	-999
5	39.29	-41.07	0.30	0.83	0.36	-999
5	39.32	-40.73	0.42	0.72	0.29	-999
5	39.39	-40.01	0.46	0.96	0.42	-999
5	39.44	-39.69	0.44	0.79	0.31	-999
5	39.61	-38.18	0.40	0.80	0.28	-999
5	39.65	-37.88	0.58	1.01	0.35	-999
5	39.68	-37.24	0.24	1.22	0.29	-999
5	39.69	-37.07	0.45	1.32	0.37	-999
5	39.73	-36.41	0.31	1.27	0.35	-999
5	39.77	-36.09	0.43	1.07	0.41	-999
5	39.84	-35.13	-999	-999	-999	-999
5	39.86	-34.57	-999	-999	-999	-999
5	39.89	-33.62	0.37	0.78	0.37	-999
5	39.89	-33.26	-999	0.77	0.61	-999
5	39.88	-32.70	0.40	1.36	0.89	-999
5	39.87	-32.70	0.33	1.67	0.88	-999
5	39.91	-32.13	0.80	1.97	1.05	-999
5	39.89	-31.75	1.22	1.47	0.93	-999
5	39.84	-30.98	1.40	1.41	0.80	-999
5	39.85	-30.60	1.26	1.43	0.93	-999
5	39.89	-29.84	0.58	1.09	0.68	-999
5	39.92	-29.46	-999	-999	-999	-999
5	39.96	-28.59	0.47	0.88	0.66	-999
5	39.98	-28.20	0.60	0.98	0.66	-999
5	40.04	-27.23	0.96	-999	-999	-999
5	40.06	-26.84	0.94	0.88	0.54	-999
5	40.05	-26.09	0.51	1.13	0.60	-999
5	40.05	-25.71	0.66	0.88	0.61	-999
5	40.00	-25.56	0.39	0.66	0.55	-999
5	39.99	-25.44	0.51	0.63	0.44	-999
5	39.97	-24.95	0.44	0.70	0.33	-999

5	39.96	-24.73	0.61	1.10	0.39	-999
5	39.95	-23.72	0.65	1.00	0.42	-999
5	39.94	-22.45	0.55	0.61	0.49	-999
5	39.94	-21.98	0.52	0.99	0.61	-999
5	39.92	-21.23	0.62	0.86	0.80	-999
5	39.85	-20.16	0.56	0.76	0.69	-999
5	39.84	-20.09	0.65	0.97	0.64	-999
5	39.77	-19.93	0.46	0.89	0.53	-999
5	39.74	-19.62	0.47	1.16	0.60	-999
5	39.71	-19.09	-999	0.83	0.67	-999
5	39.69	-18.71	0.46	1.15	0.71	-999
5	39.64	-17.94	0.39	0.79	0.65	-999
5	39.62	-17.57	0.47	0.85	0.47	-999
5	39.56	-16.63	0.54	0.72	0.54	-999
5	39.54	-16.26	0.47	0.89	0.73	-999
5	39.46	-15.39	-999	-999	-999	-999
5	39.40	-15.03	-999	0.71	1.17	-999
5	39.32	-14.31	0.41	0.84	1.30	-999
5	39.28	-13.95	0.58	1.00	1.60	-999
5	39.27	-13.40	0.48	1.25	1.35	-999
5	39.35	-13.27	0.69	0.96	1.23	-999
5	39.49	-13.02	0.54	1.26	1.07	-999
5	39.41	-12.66	-999	0.93	1.27	-999
5	39.23	-11.94	-999	0.95	1.19	-999
5	39.15	-11.60	-999	0.81	1.27	-999
5	-999	-999	0.72	1.66	1.24	-999
5	-999	-999	1.21	1.85	1.00	-999
5	40.12	-11.75	0.64	1.95	0.72	-999
5	40.33	-12.10	0.85	1.67	0.93	-999
5	40.67	-12.63	0.45	1.68	0.93	-999
5	40.85	-12.90	0.73	1.97	1.07	-999
5	41.20	-13.44	0.78	1.23	0.86	-999
5	41.36	-13.71	0.80	1.32	0.84	-999
5	41.70	-14.24	0.61	0.96	0.75	-999
5	41.84	-14.51	0.80	2.11	0.95	-999
5	42.01	-14.82	0.41	1.50	0.53	-999
5	42.01	-14.84	0.58	1.81	0.58	-999
5	42.21	-15.13	0.36	1.46	0.39	-999
5	42.38	-15.40	0.58	1.73	0.56	-999
5	42.72	-15.95	0.40	1.75	0.39	-999
5	42.89	-16.23	0.95	1.90	0.68	-999
5	43.28	-16.81	0.56	1.61	0.86	-999
5	43.43	-17.10	-999	1.17	1.29	-999
5	43.75	-17.66	0.42	0.97	0.78	-999
5	43.92	-17.92	0.39	0.66	0.97	-999
5	44.25	-18.48	0.40	1.23	0.90	-999
5	44.41	-18.77	0.29	1.34	0.87	-999

5	44.76	-19.34	0.37	0.90	0.45	-999
5	44.89	-19.57	0.26	0.95	0.36	-999
5	45.03	-19.85	0.31	1.02	0.66	-999
5	45.32	-20.51	0.43	0.90	0.38	-999
5	45.42	-20.77	0.34	0.86	0.59	-999
5	45.83	-21.25	0.24	0.69	0.43	-999
5	46.17	-21.50	0.51	1.37	0.55	-999
5	46.64	-21.88	0.31	0.79	0.37	-999
5	46.75	-22.00	0.35	1.21	0.49	-999
5	46.22	-22.00	0.32	1.10	0.48	-999
5	45.96	-22.00	0.50	1.11	0.52	-999
5	45.90	-21.40	0.36	0.94	0.34	-999
5	46.04	-21.40	0.43	1.12	0.43	-999
5	46.20	-21.40	0.24	-999	-999	-999
5	46.20	-21.46	0.67	-999	-999	-999
5	45.95	-21.54	0.73	1.33	0.58	-999
5	46.14	-21.53	0.32	1.04	0.37	-999
5	46.22	-21.60	-999	1.17	0.40	-999
5	45.97	-21.67	0.23	1.01	0.32	-999
5	46.10	-21.67	0.40	1.08	0.31	-999
5	46.04	-21.73	-999	0.75	0.38	-999
5	45.95	-21.74	0.56	1.02	0.64	-999
5	46.07	-21.60	0.27	-999	0.47	-999
5	46.14	-21.52	0.26	1.00	0.51	-999
5	46.10	-21.55	0.32	0.93	0.51	-999
5	46.07	-21.56	0.29	0.87	0.48	-999
5	46.14	-21.52	-999	0.94	0.33	-999
5	46.19	-21.47	0.48	1.02	0.45	-999
5	46.31	-21.32	0.17	0.55	0.35	-999
5	46.37	-21.31	0.35	1.46	0.49	-999
5	46.18	-21.50	-999	-999	-999	-999
5	46.16	-21.49	-999	1.02	0.62	-999
5	46.21	-21.49	-999	0.86	0.60	-999
5	46.27	-21.48	-999	1.31	0.65	-999
5	46.11	-21.35	-999	0.99	0.42	-999
5	46.09	-21.17	0.13	1.80	0.66	-999
5	46.17	-21.46	-999	1.15	0.78	-999
5	46.25	-21.44	0.17	1.44	0.87	-999
5	46.23	-21.41	-999	0.99	0.61	-999
5	46.24	-21.39	0.16	1.30	0.68	-999
5	46.13	-21.52	-999	1.16	0.52	-999
5	46.22	-21.46	0.19	1.22	0.76	-999
5	46.24	-21.47	-999	1.06	0.40	-999
5	46.23	-21.45	-999	1.12	0.45	-999
5	46.32	-21.46	-999	0.90	0.40	-999
5	46.22	-21.46	0.12	1.13	0.59	-999
5	46.06	-21.33	0.12	0.95	0.44	-999

5	46.10	-21.33	0.22	1.25	0.56	-999
5	46.15	-21.41	0.23	1.19	0.41	-999
5	46.18	-21.46	0.49	1.43	0.67	-999
5	46.24	-21.55	-999	1.19	0.52	-999
5	46.31	-21.56	0.25	1.90	0.65	-999
5	46.24	-21.50	-999	1.01	0.50	-999
5	46.26	-21.36	0.30	1.48	0.69	-999
5	46.26	-21.34	0.12	1.83	0.71	-999
5	46.24	-21.36	0.23	1.43	1.03	-999
5	46.33	-21.29	0.30	1.55	0.88	-999
5	46.31	-21.31	0.36	1.92	1.13	-999
5	46.33	-21.27	0.16	1.02	0.77	-999
5	46.31	-21.23	0.30	1.93	0.95	-999
5	46.27	-21.14	0.17	1.19	0.96	-999
5	46.24	-21.10	0.29	1.89	1.01	-999
5	46.20	-21.04	0.28	1.27	0.87	-999
5	46.22	-21.04	0.31	1.37	1.05	-999
5	46.29	-21.08	0.27	1.64	0.91	-999
5	46.27	-21.04	0.37	1.46	0.98	-999
5	46.30	-21.07	0.31	1.33	0.65	-999
5	46.30	-21.05	0.40	1.72	0.94	-999
5	46.39	-21.00	0.32	2.19	0.98	-999
5	46.35	-20.93	0.41	1.26	1.14	-999
5	46.25	-20.81	0.32	1.41	0.73	-999
5	46.20	-20.78	0.57	1.50	0.96	-999
5	46.27	-20.87	0.27	1.50	0.71	-999
5	46.24	-20.86	0.40	1.43	0.90	-999
5	46.18	-20.85	0.42	2.00	0.71	-999
5	46.18	-20.87	0.46	1.71	0.85	-999
5	46.23	-20.90	0.43	1.16	0.83	-999
5	46.18	-20.89	0.54	1.89	0.70	-999
5	46.21	-20.89	0.32	1.46	0.67	-999
5	46.22	-20.88	0.55	2.06	0.84	-999
5	46.14	-20.85	0.45	1.27	0.75	-999
5	46.21	-20.82	0.31	1.41	0.88	-999
5	46.16	-20.81	0.46	1.78	0.93	-999
5	46.21	-20.78	0.38	1.86	1.15	-999
5	46.16	-20.78	0.25	1.03	0.55	-999
5	46.18	-20.75	0.35	0.97	0.65	-999
5	46.22	-20.72	0.21	1.66	0.57	-999
5	46.10	-20.71	0.30	2.09	0.81	-999
5	46.12	-20.68	0.26	1.75	0.82	-999
5	46.11	-20.66	0.60	1.77	0.80	-999
5	46.06	-20.66	0.21	1.65	0.65	-999
5	46.09	-20.69	0.43	1.30	0.65	-999
5	46.04	-20.73	0.30	1.23	0.36	-999
5	46.04	-20.71	0.55	1.31	0.50	-999

5	46.06	-20.75	0.32	0.96	0.36	-999
5	46.05	-20.74	0.47	1.18	0.51	-999
5	46.05	-20.26	0.65	1.19	0.36	-999
5	46.08	-20.28	0.41	1.85	0.49	-999
5	46.12	-20.33	0.51	1.04	0.35	-999
5	46.13	-20.37	0.39	1.78	0.54	-999
5	46.16	-20.45	0.64	1.63	0.53	-999
5	46.07	-20.55	0.51	1.62	0.71	-999
5	46.00	-20.79	0.41	1.41	0.59	-999
5	46.00	-20.93	0.53	1.50	0.59	-999
5	46.00	-21.00	0.82	1.21	0.41	-999
5	45.94	-20.91	0.56	1.29	0.53	-999
5	46.02	-20.90	0.31	1.45	0.41	-999
5	46.08	-20.92	0.65	1.68	0.49	-999
5	46.07	-20.92	0.35	1.93	0.26	-999
5	45.96	-20.83	0.65	1.33	0.43	-999
5	45.98	-20.85	0.41	1.78	0.34	-999
5	45.94	-20.89	0.71	2.54	0.57	-999
5	45.96	-20.91	0.56	1.18	0.37	-999
5	45.94	-20.91	0.75	1.35	0.61	-999
5	45.96	-20.94	0.32	1.03	0.56	-999
5	45.99	-20.96	0.38	1.14	1.13	-999
5	45.98	-21.01	0.42	1.82	1.61	-999
5	46.02	-21.01	0.34	1.55	1.85	-999
5	46.08	-21.03	0.55	1.39	1.78	-999
5	46.09	-21.04	0.49	1.47	1.99	-999
5	45.97	-21.07	0.38	1.57	1.37	-999
5	46.11	-21.07	0.53	1.94	1.61	-999
5	45.99	-21.09	0.47	1.30	1.02	-999
5	46.00	-21.11	0.45	1.67	1.18	-999
5	46.14	-21.02	0.30	1.40	0.85	-999
5	46.11	-21.07	0.50	1.60	1.39	-999
5	46.10	-21.12	0.50	2.07	1.54	-999
5	46.13	-21.01	0.59	1.99	2.03	-999
5	46.02	-21.08	0.46	1.51	1.54	-999
5	45.99	-21.04	0.35	1.24	1.57	-999
5	45.98	-21.10	0.31	1.44	1.15	-999
5	46.01	-21.08	0.62	1.89	1.52	-999
5	46.11	-20.97	0.51	1.27	1.38	-999
5	46.10	-20.99	0.29	0.78	1.27	-999
5	46.01	-21.07	0.31	-999	0.94	-999
5	46.06	-20.98	0.46	-999	1.13	-999
5	46.10	-20.87	0.41	1.60	1.07	-999
5	46.03	-20.96	0.47	1.76	1.19	-999
5	45.90	-21.09	0.49	1.94	1.30	-999
5	46.03	-20.93	0.65	1.56	0.93	-999
5	46.06	-20.95	0.32	0.99	0.59	-999

5	46.01	-21.02	0.48	2.19	0.80	-999
5	46.11	-20.99	0.41	0.90	0.61	-999
5	46.18	-20.98	0.28	1.52	0.87	-999
5	46.19	-20.95	0.47	1.74	0.76	-999
5	46.16	-20.83	0.52	1.84	0.95	-999
5	46.16	-21.02	0.40	1.42	0.66	-999
5	46.05	-20.88	0.58	1.12	1.01	-999
5	46.03	-21.03	0.30	1.31	0.56	-999
5	46.03	-21.13	0.53	0.88	0.78	-999
5	46.02	-21.03	0.45	2.16	0.53	-999
5	46.03	-20.98	0.51	1.25	0.83	-999
5	46.05	-20.93	0.25	0.90	0.68	-999
5	46.05	-20.95	0.49	1.57	0.69	-999
5	46.07	-20.92	0.36	1.24	0.56	-999
5	46.07	-20.98	0.38	1.25	0.65	-999
5	46.09	-20.88	0.33	0.72	0.51	-999
5	46.00	-20.89	0.49	1.35	0.61	-999
5	45.89	-21.13	0.33	0.88	0.33	-999
5	45.92	-21.14	0.38	0.79	0.57	-999
5	46.04	-21.11	0.40	1.11	0.30	-999
5	46.07	-21.10	0.44	1.75	0.49	-999
5	46.16	-21.08	0.31	1.35	0.43	-999
5	46.20	-21.08	0.46	1.12	0.55	-999
5	46.16	-21.08	0.35	1.77	0.32	-999
5	46.19	-21.04	0.39	0.81	0.42	-999
5	46.22	-21.06	0.39	1.62	0.37	-999
5	46.18	-21.06	0.39	1.94	0.69	-999
5	46.23	-21.03	0.35	1.78	0.40	-999
5	46.21	-21.03	0.39	1.55	0.55	-999
5	46.17	-21.13	0.32	1.66	0.38	-999
5	46.29	-20.94	0.38	1.82	0.66	-999
5	46.25	-20.99	0.34	1.25	0.50	-999
5	46.24	-21.02	0.48	1.34	0.86	-999
5	46.19	-21.10	0.35	1.68	0.59	-999
5	46.18	-21.13	0.41	1.60	1.08	-999
5	46.14	-21.17	0.29	1.69	1.03	-999
5	46.23	-21.07	0.56	1.86	1.40	-999
5	46.24	-20.94	0.53	1.44	1.43	-999
5	46.32	-20.81	0.43	1.54	2.07	-999
5	46.30	-20.74	0.30	1.47	1.62	-999
5	46.32	-20.71	0.36	1.74	1.77	-999
5	46.30	-20.77	0.40	1.39	1.51	-999
5	46.31	-20.80	1.00	1.40	1.58	-999
5	46.23	-20.71	0.34	1.49	1.35	-999
5	46.19	-20.74	0.42	1.23	1.53	-999
5	46.13	-20.79	0.33	1.15	1.32	-999
5	46.21	-20.77	0.43	0.53	1.48	-999

5	46.26	-20.68	0.33	1.69	1.08	-999
5	46.26	-20.52	0.41	1.51	1.07	-999
5	46.24	-20.55	0.39	1.33	0.68	-999
5	46.22	-20.47	0.43	1.51	1.04	-999
5	46.17	-20.40	0.31	1.17	0.72	-999
5	46.16	-20.41	0.49	1.89	0.87	-999
5	46.14	-20.43	0.39	1.08	0.59	-999
5	46.13	-20.44	0.64	1.35	0.73	-999
5	46.12	-20.44	0.41	1.35	0.57	-999
5	46.12	-20.43	0.45	1.44	0.65	-999
5	46.10	-20.40	0.35	1.36	0.62	-999
5	46.10	-20.39	0.50	1.63	0.86	-999
5	46.08	-20.38	0.36	1.46	0.76	-999
5	46.07	-20.41	0.36	1.09	0.73	-999
5	46.04	-20.49	0.38	1.57	0.50	-999
5	46.03	-20.55	0.34	0.74	0.63	-999
5	46.05	-20.66	0.28	0.93	0.50	-999
5	46.07	-20.69	0.34	1.21	0.60	-999
5	46.14	-20.71	0.26	1.32	0.61	-999
5	46.15	-20.70	0.28	1.60	0.71	-999
5	46.01	-20.61	0.37	1.42	0.55	-999
5	45.99	-20.57	0.37	1.62	0.54	-999
5	46.10	-20.63	0.35	-999	0.40	-999
5	46.12	-20.67	0.49	0.87	0.59	-999
5	46.11	-20.73	0.27	1.26	0.49	-999
5	46.08	-20.71	0.38	0.97	0.73	-999
5	46.06	-20.40	0.20	-999	0.44	-999
5	46.06	-20.47	0.33	1.55	0.48	-999
5	46.05	-20.48	0.36	1.57	0.34	-999
5	46.03	-20.51	0.54	1.57	0.59	-999
5	45.98	-20.57	0.27	-999	0.59	-999
5	45.97	-20.57	0.36	1.78	0.93	-999
5	45.91	-20.70	0.27	1.19	0.47	-999
5	45.88	-20.78	0.39	1.39	0.67	-999
5	46.01	-20.56	0.34	1.19	0.65	-999
5	46.00	-20.60	0.36	1.79	0.91	-999
5	45.98	-20.63	0.39	0.70	0.69	-999
5	45.96	-20.63	0.37	1.19	1.04	-999
5	46.02	-20.61	0.32	1.30	0.64	-999
5	46.09	-20.62	0.28	1.41	1.12	-999
5	45.98	-20.57	0.33	1.42	0.83	-999
5	45.93	-20.56	0.30	1.63	1.18	-999
5	45.88	-20.57	0.30	0.92	1.16	-999
5	45.98	-20.60	0.42	1.54	1.27	-999
5	46.01	-20.65	-999	-999	1.18	-999
5	46.10	-20.66	0.40	1.86	1.61	-999
5	46.03	-20.68	0.41	1.97	1.36	-999

5	46.01	-20.68	0.74	1.87	1.51	-999
5	45.97	-20.68	0.53	0.94	1.03	-999
5	46.03	-20.63	0.62	1.57	1.31	-999
5	46.04	-20.64	0.44	1.16	1.13	-999
5	46.06	-20.61	0.63	1.59	1.33	-999
5	45.98	-20.71	0.51	-999	1.36	-999
5	46.02	-20.67	0.68	1.05	1.71	-999
5	46.00	-20.68	0.36	1.56	1.46	-999
5	45.98	-20.70	0.41	1.25	1.58	-999
5	46.06	-20.56	0.41	1.05	1.38	-999
5	46.06	-20.53	0.62	1.78	1.70	-999
5	46.00	-20.57	0.39	1.47	1.22	-999
5	46.09	-20.47	-999	1.21	1.47	-999
5	45.98	-20.58	0.34	1.38	1.00	-999
5	45.98	-20.60	0.42	1.49	1.34	-999
5	45.96	-20.64	0.37	0.97	1.06	-999
5	45.95	-20.68	0.42	1.41	1.99	-999
5	45.98	-20.71	0.33	1.55	1.68	-999
5	45.98	-20.71	0.43	0.86	2.12	-999
5	45.98	-20.71	0.30	0.65	0.96	-999
5	45.99	-20.80	0.33	-999	0.87	-999
5	45.98	-20.70	-999	1.33	0.61	-999
5	45.98	-20.56	0.31	-999	0.81	-999
5	45.98	-20.57	0.26	-999	0.81	-999
5	46.07	-20.47	0.34	1.24	0.95	-999
5	46.03	-20.52	0.39	1.12	0.54	-999
5	45.97	-20.46	0.44	1.79	0.85	-999
5	45.85	-20.35	0.31	1.12	0.95	-999
5	45.76	-20.39	0.28	-999	1.39	-999
5	45.76	-20.36	0.36	1.23	0.76	-999
5	45.93	-20.46	0.39	0.68	1.20	-999
5	45.96	-20.65	0.24	0.92	0.94	-999
5	45.93	-20.71	0.34	1.14	1.01	-999
5	45.90	-20.84	-999	0.68	0.98	-999
5	45.94	-20.72	0.29	1.47	1.15	-999
5	45.99	-20.65	-999	1.03	0.85	-999
5	46.00	-20.48	0.37	-999	0.99	-999
5	46.04	-20.21	-999	0.93	1.00	-999
5	45.97	-20.34	0.27	1.16	1.16	-999
5	46.04	-20.13	0.30	1.17	0.85	-999
5	46.02	-20.00	0.49	-999	1.15	-999
5	46.05	-19.99	-999	-999	0.92	-999
5	46.09	-20.08	0.46	1.43	1.16	-999
5	46.06	-20.25	0.39	-999	0.66	-999
5	46.05	-20.34	0.49	1.43	0.84	-999
5	45.99	-20.52	-999	1.43	0.62	-999
5	45.97	-20.62	0.36	1.80	0.85	-999

5	45.99	-20.63	-999	-999	0.60	-999
5	45.99	-20.63	0.42	1.09	0.97	-999
5	45.76	-20.63	0.25	1.21	0.88	-999
5	45.71	-20.66	0.45	1.46	1.13	-999
5	45.92	-20.65	-999	-999	0.58	-999
5	45.87	-20.67	0.25	-999	0.78	-999
5	45.86	-20.70	0.40	1.48	0.51	-999
5	45.87	-20.72	0.28	-999	0.49	-999
5	45.88	-20.71	0.26	1.24	0.46	-999
5	45.95	-20.59	0.26	0.87	0.43	-999
5	45.96	-20.73	0.28	0.99	0.43	-999
5	46.05	-20.75	0.40	-999	0.56	-999
5	45.96	-20.78	-999	1.48	0.35	-999
5	45.95	-20.77	0.31	1.11	0.69	-999
5	45.94	-20.82	-999	0.86	0.54	-999
5	45.96	-20.84	0.28	1.48	1.01	-999
5	46.00	-20.85	0.34	1.61	-999	-999
5	46.02	-20.84	0.37	1.36	1.08	-999
5	46.03	-20.80	0.31	-999	0.82	-999
5	46.03	-20.77	0.28	0.74	1.30	-999
5	46.01	-20.75	0.37	-999	1.14	-999
5	46.01	-20.73	0.37	-999	1.45	-999
5	46.00	-20.75	0.37	-999	1.17	-999
5	45.99	-20.76	0.40	1.49	1.78	-999
5	45.98	-20.78	0.38	1.64	1.19	-999
5	45.97	-20.80	0.46	1.63	1.78	-999
5	46.00	-20.83	0.49	-999	1.92	-999
5	46.04	-20.81	0.60	1.50	1.91	-999
5	46.03	-20.79	0.49	-999	1.61	-999
5	46.00	-20.82	0.61	-999	1.87	-999
5	45.95	-20.87	0.46	0.88	1.56	-999
5	45.95	-20.86	0.52	-999	1.83	-999
5	45.93	-20.91	0.47	1.14	1.24	-999
5	45.94	-20.92	0.59	-999	1.48	-999
5	45.95	-20.96	0.54	-999	1.42	-999
5	45.95	-20.98	0.34	1.59	2.85	-999
5	45.90	-21.00	0.53	0.75	2.11	-999
5	45.94	-20.90	0.62	1.12	1.66	-999
5	46.12	-20.58	0.28	1.02	1.32	-999
5	46.04	-20.64	0.30	0.84	1.67	-999
5	45.99	-20.68	0.26	1.22	1.42	-999
5	45.87	-20.78	0.58	1.03	1.57	-999
5	45.80	-20.57	0.41	-999	0.88	-999
5	45.52	-20.53	0.58	1.13	1.31	-999
5	44.96	-20.48	0.24	1.03	0.80	-999
5	44.67	-20.45	0.58	1.31	1.13	-999
5	44.12	-20.42	0.39	1.31	0.51	-999

5	43.85	-20.39	0.37	-999	0.75	-999
5	43.28	-20.33	0.26	-999	0.78	-999
5	43.00	-20.29	0.46	-999	1.06	-999
5	42.46	-20.24	0.42	-999	0.67	-999
5	42.18	-20.22	0.29	1.25	0.57	-999
5	41.64	-20.16	0.29	-999	0.53	-999
5	41.36	-20.13	0.58	-999	0.62	-999
5	40.81	-20.09	0.27	-999	0.57	-999
5	40.53	-20.07	0.47	-999	0.56	-999
5	39.98	-20.02	0.38	-999	0.55	-999
5	39.89	-20.01	0.25	-999	0.69	-999
5	39.86	-20.37	0.46	0.90	0.41	-999
5	39.88	-20.69	0.23	-999	0.71	-999
5	39.90	-21.25	0.25	-999	0.70	-999
5	39.92	-21.55	0.28	-999	0.61	-999
5	39.97	-22.87	-999	-999	0.90	-999
5	39.98	-23.12	0	-999	0.58	-999
5	40.00	-23.59	0.26	-999	0.28	-999
5	40.01	-23.82	-999	-999	0.35	-999
5	40.02	-24.11	0.38	-999	0.42	-999
5	40.03	-24.24	0.35	-999	0.57	-999
5	40.05	-24.70	-999	-999	0.93	-999
5	40.05	-24.92	-999	-999	1.25	-999
5	39.69	-25.11	-999	-999	1.17	-999
5	39.41	-25.24	-999	1.02	1.21	-999
5	38.85	-25.52	0.35	1.41	0.88	-999
5	38.56	-25.64	0.38	-999	0.55	-999
5	37.99	-25.88	0.39	-999	0.35	-999
5	37.76	-25.81	-999	-999	0.47	-999
5	38.45	-27.14	-999	-999	0.50	-999
5	38.61	-27.42	0.44	-999	0.55	-999
5	38.95	-28.03	0.52	-999	0.53	-999
5	39.12	-28.32	0.89	-999	0.51	-999
5	39.46	-28.92	0.65	-999	0.43	-999
5	39.62	-29.24	0.74	-999	0.66	-999
5	39.96	-29.82	0.26	-999	0.61	-999
5	40.05	-30.16	0.26	-999	0.77	-999
5	40.02	-30.88	0.18	-999	0.89	-999
5	40.00	-31.26	0.34	-999	0.85	-999
5	39.96	-32.02	0.12	-999	0.59	-999
5	39.95	-32.39	0.13	-999	0.91	-999
5	39.92	-33.10	-999	-999	0.80	-999
5	39.90	-33.48	0.12	-999	0.73	-999
5	39.88	-34.26	-999	-999	0.72	-999
5	39.86	-34.65	-999	-999	0.76	-999
5	39.83	-35.17	-999	-999	0.75	-999
5	39.81	-35.33	-999	-999	1.03	-999

5	39.75	-36.03	-999	-999	0.94	-999
5	39.72	-36.41	-999	-999	0.89	-999
5	39.65	-37.10	-999	-999	0.76	-999
5	39.63	-37.48	0.12	0.37	0.82	-999
5	39.57	-38.21	-999	-999	0.76	-999
5	39.53	-38.57	-999	-999	0.94	-999
5	39.47	-39.26	0.17	0.23	0.86	-999
5	39.45	-39.53	-999	-999	1.09	-999
5	39.37	-40.26	-999	-999	0.67	-999
5	39.32	-40.61	0.16	-999	0.84	-999
5	39.24	-41.30	-999	-999	0.67	-999
5	39.20	-41.64	0.14	-999	0.59	-999
5	39.11	-42.28	0.10	-999	0.55	-999
5	39.07	-42.60	0.12	-999	0.67	-999
5	39.03	-42.91	0.12	-999	0.46	-999
5	38.97	-43.27	-999	-999	0.63	-999
5	38.89	-43.99	0.09	-999	0.43	-999
5	38.84	-44.35	0.09	-999	0.48	-999
5	38.74	-45.06	0.10	-999	0.37	-999
5	38.68	-45.42	0.10	-999	0.41	-999
5	38.55	-46.10	0.15	-999	0.42	-999
5	38.49	-46.46	0.15	-999	0.47	-999
5	38.37	-47.21	0.08	-999	0.38	-999
5	38.29	-47.57	0.15	-999	0.65	-999
5	38.16	-48.29	-999	-999	0.66	-999
5	38.10	-48.65	0.15	-999	0.48	-999
5	37.98	-49.34	0.19	0.24	0.68	-999
5	37.92	-49.68	-999	-999	0.90	-999
5	37.78	-50.34	-999	-999	0.78	-999
5	37.71	-50.69	0.09	-999	0.98	-999
5	37.55	-51.39	-999	-999	0.78	-999
5	37.47	-51.75	-999	-999	1.27	-999
5	37.31	-52.44	-999	-999	1.12	-999
5	37.24	-52.77	-999	0.32	1.32	-999
5	37.08	-53.49	-999	-999	1.19	-999
5	37.00	-53.85	0.16	-999	1.23	-999
5	36.83	-54.57	0.11	-999	1.13	-999
5	36.75	-54.92	-999	0.35	1.07	-999
5	36.58	-55.57	-999	-999	0.73	-999
5	36.49	-55.89	0.16	-999	0.86	-999
5	36.31	-56.55	-999	-999	0.97	-999
5	36.22	-56.88	-999	-999	0.95	-999
5	36.10	-57.33	-999	-999	0.83	-999
5	36.00	-57.67	0.15	-999	0.85	-999
5	35.80	-58.38	0.18	-999	0.72	-999
5	35.71	-58.74	-999	-999	0.75	-999
5	35.52	-59.42	0.13	-999	0.63	-999

5	35.42	-59.76	0.19	-999	0.65	-999
5	35.22	-60.42	0.11	-999	0.61	-999
5	35.12	-60.74	0.26	-999	0.94	-999
5	34.91	-61.37	-999	-999	0.88	-999
5	34.81	-61.68	0.21	-999	0.92	-999
5	34.61	-62.29	-999	-999	0.91	-999
5	34.50	-62.61	-999	-999	0.98	-999
5	34.29	-63.26	-999	-999	0.83	-999
5	34.19	-63.58	0.15	-999	1.02	-999
5	33.97	-64.22	-999	-999	0.80	-999
5	33.87	-64.54	0.16	0.52	1.78	-999
5	33.66	-65.16	-999	-999	0.81	-999
5	33.56	-65.41	0.18	-999	0.87	-999
5	33.33	-66.01	-999	-999	0.61	-999
5	33.21	-66.32	-999	-999	0.65	-999
5	32.98	-66.95	-999	-999	0.46	-999
5	32.85	-67.27	-999	-999	0.84	-999
5	32.62	-67.88	-999	-999	0.64	-999
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5	32.29	-68.73	-999	-999	0.32	-999
5	32.17	-69.05	-999	-999	0.53	-999
5	31.91	-69.72	-999	-999	0.45	-999
5	31.78	-70.05	-999	-999	0.65	-999
5	31.51	-70.67	-999	-999	0.41	-999
5	31.37	-70.98	-999	-999	0.60	-999
5	31.13	-71.55	-999	-999	0.47	-999
5	30.99	-71.86	-999	-999	0.76	-999
5	30.71	-72.42	-999	0.47	0.88	-999
5	30.58	-72.73	0.23	-999	1.32	-999
5	30.34	-73.34	-999	-999	1.20	-999
5	30.21	-73.62	0.15	-999	1.26	-999
5	29.98	-74.16	-999	-999	0.94	-999
5	29.85	-74.43	0.24	-999	1.08	-999
5	29.45	-75.33	0.19	-999	0.98	-999
5	29.15	-75.93	-999	-999	0.60	-999
5	29.01	-76.21	0.26	-999	0.75	-999
5	28.75	-76.75	0.30	-999	1.22	-999
5	28.72	-76.76	0.92	0.61	1.27	-999
5	28.68	-76.73	0.62	1.14	1.20	-999
5	28.67	-76.71	0.92	0.91	0.95	-999
5	28.59	-76.78	-999	-999	0.50	-999
5	28.47	-77.07	0.59	-999	0.73	-999
5	28.21	-77.66	0.63	-999	0.66	-999
5	28.08	-77.96	0.86	0.62	0.93	-999
5	27.82	-78.55	0.67	1.07	0.62	-999
5	27.69	-78.86	1.49	1.89	0.86	-999
5	27.31	-79.29	0.80	0.73	0.73	-999

5	27.09	-79.41	0.76	0.85	0.96	-999
5	26.66	-79.62	0.45	-999	0.78	-999
5	26.46	-79.74	0.85	0.80	0.86	-999
5	26.04	-79.95	0.66	0.92	0.73	-999
5	25.82	-80.04	1.40	0.53	0.56	-999
5	24.97	-80.26	1.35	1.17	0.70	-999
5	24.80	-80.51	4.62	2.57	1.13	-999
5	24.50	-80.99	2.03	1.75	0.75	-999
5	24.37	-81.23	2.10	1.09	1.01	-999
5	24.12	-81.72	0.70	-999	0.48	-999
5	23.99	-81.96	0.99	0.70	0.67	-999
5	23.75	-82.40	0.74	-999	0.51	-999
5	23.62	-82.64	1.25	-999	0.73	-999
5	23.35	-83.17	0.83	-999	0.55	-999
5	23.20	-83.44	1.29	-999	0.63	-999
5	22.90	-83.99	0.67	-999	0.53	-999
5	22.75	-84.25	1.28	-999	0.68	-999
5	22.42	-84.79	0.53	0.41	0.49	-999
5	22.18	-85.01	0.89	-999	0.55	-999
5	21.65	-85.22	0.54	-999	0.41	-999
5	21.43	-85.10	0.70	-999	0.63	-999
5	20.97	-84.69	0.67	-999	0.63	-999
5	20.74	-84.47	1.03	-999	0.75	-999
5	20.27	-84.07	0.41	-999	0.50	-999
5	20.04	-83.90	0.76	-999	0.72	-999
5	19.60	-83.58	1.36	-999	0.52	-999
5	19.38	-83.40	1.22	-999	0.70	-999
5	18.97	-83.09	0.40	-999	0.53	-999
5	18.75	-82.94	-999	-999	0.71	-999
5	18.30	-82.63	0.40	-999	0.48	-999
5	18.10	-82.49	-999	-999	0.61	-999
5	17.69	-82.20	0.86	-999	0.45	-999
5	17.47	-82.03	-999	-999	0.53	-999
5	17.05	-81.71	-999	-999	0.43	-999
5	16.85	-81.56	-999	1.04	0.56	-999
5	16.43	-81.25	1.00	-999	0.58	-999
5	16.20	-81.15	1.04	-999	0.62	-999
5	15.70	-80.99	0.37	-999	0.47	-999
5	15.42	-80.88	0.75	-999	0.75	-999
5	14.88	-80.72	0.36	-999	0.55	-999
5	14.60	-80.63	0.83	-999	0.69	-999
5	14.01	-80.50	0.21	-999	0.52	-999
5	13.70	-80.46	0.41	-999	0.61	-999
5	13.09	-80.39	0.36	-999	0.60	-999
5	12.79	-80.36	0.39	-999	0.69	-999
5	12.19	-80.28	0.22	-999	0.78	-999
5	11.89	-80.24	0.26	-999	0.83	-999

5	11.26	-80.15	0.21	-999	0.59	-999
5	10.95	-80.11	0.43	-999	0.76	-999
5	10.28	-80.03	0.33	-999	0.59	-999
5	9.99	-79.97	0.54	-999	0.70	-999
5	7.20	-80.15	0.22	-999	0.52	-999
5	7.08	-80.41	0.46	-999	0.64	-999
5	7.08	-80.98	0.31	-999	0.44	-999
5	7.09	-81.25	0.73	-999	0.44	-999
5	7.09	-81.79	-999	-999	0.36	-999
5	7.17	-82.06	0.42	-999	0.39	-999
5	7.34	-82.60	-999	-999	0.36	-999
5	7.40	-82.88	0.37	-999	0.50	-999
5	7.54	-83.44	0.16	-999	0.36	-999
5	7.60	-83.71	0.55	-999	0.39	-999
5	7.74	-84.25	-999	-999	0.26	-999
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5	8.03	-85.35	0.47	-999	0.47	-999
5	8.19	-85.91	-999	-999	0.39	-999
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5	8.42	-86.74	-999	-999	0.46	-999
5	8.49	-87.01	0.31	-999	0.55	-999
5	8.63	-87.58	-999	-999	0.26	-999
5	8.70	-87.85	0.32	-999	0.66	-999
5	8.94	-88.38	0.21	-999	0.42	-999
5	9.10	-88.62	0.70	-999	0.45	-999
5	9.41	-89.11	0.19	-999	0.37	-999
5	9.56	-89.36	0.58	-999	0.57	-999
5	9.87	-89.87	-999	-999	0.43	-999
5	10.02	-90.13	0.52	-999	0.57	-999
5	10.34	-90.63	0.21	-999	0.47	-999
5	10.51	-90.89	0.46	-999	0.67	-999
5	10.84	-91.43	-999	-999	0.59	-999
5	11.02	-91.70	0.65	-999	0.90	-999
5	11.35	-92.24	-999	-999	0.72	-999
5	11.52	-92.49	0.57	-999	1.24	-999
5	11.80	-93.02	0.33	-999	0.87	-999
5	11.96	-93.28	0.45	-999	0.73	-999
5	12.28	-93.81	0.25	-999	0.32	-999
5	12.44	-94.08	0.34	-999	0.51	-999
5	12.78	-94.58	0.12	-999	0.46	-999
5	12.94	-94.84	0.30	-999	0.61	-999
5	13.25	-95.36	0.23	-999	0.49	-999
5	13.40	-95.60	0.44	-999	0.83	-999
5	13.69	-96.12	0.39	-999	0.74	-999
5	13.84	-96.38	0.49	0.54	0.95	-999
5	14.17	-96.90	0.21	-999	0.61	-999

5	14.34	-97.16	0.35	-999	0.64	-999
5	14.66	-97.70	0.24	-999	0.44	-999
5	14.82	-97.96	0.43	-999	0.60	-999
5	15.15	-98.47	0.29	-999	0.63	-999
5	15.32	-98.71	0.36	-999	0.64	-999
5	15.62	-99.22	0.17	-999	0.42	-999
5	15.77	-99.48	0.47	-999	0.60	-999
5	16.08	-100.00	-999	-999	0.36	-999
5	16.24	-100.26	0.25	-999	0.44	-999
5	16.55	-100.75	-999	-999	0.50	-999
5	16.71	-101.00	0.25	-999	0.41	-999
5	16.99	-101.46	-999	-999	0.34	-999
5	17.16	-101.73	0.23	-999	0.50	-999
5	17.47	-102.29	-999	-999	0.30	-999
5	17.64	-102.54	0.34	-999	0.58	-999
5	17.94	-103.07	0.21	-999	0.44	-999
5	18.10	-103.35	0.46	-999	0.42	-999
5	18.42	-103.84	-999	-999	0.30	-999
5	18.59	-104.09	0.40	-999	0.82	-999
5	18.89	-104.61	0.21	-999	0.32	-999
5	19.05	-104.87	0.34	-999	0.42	-999
5	19.34	-105.40	-999	-999	0.38	-999
5	19.49	-105.66	0.41	-999	0.46	-999
5	19.79	-106.17	-999	-999	0.34	-999
5	19.95	-106.42	0.33	-999	0.47	-999
5	20.27	-106.96	-999	-999	0.45	-999
5	20.42	-107.24	0.48	-999	0.52	-999
5	20.73	-107.79	-999	-999	0.33	-999
5	20.90	-108.06	0.30	-999	0.48	-999
5	21.23	-108.59	-999	-999	0.33	-999
5	21.39	-108.85	0.29	-999	0.48	-999
5	21.67	-109.38	-999	-999	0.32	-999
5	21.82	-109.64	0.21	-999	0.40	-999
5	22.12	-110.18	-999	-999	0.22	-999
5	22.27	-110.45	0.19	-999	0.39	-999
5	22.58	-110.97	-999	-999	0.36	-999
5	22.74	-111.23	0.21	-999	0.46	-999
5	23.08	-111.73	-999	-999	0.25	-999
5	23.30	-111.93	-999	-999	0.48	-999
5	23.73	-112.32	-999	-999	0.61	-999
5	24.24	-112.77	-999	0.39	0.89	-999
5	24.68	-113.16	-999	-999	0.84	-999
5	24.90	-113.36	-999	-999	1.09	-999
5	25.35	-113.71	-999	-999	0.63	-999
5	25.57	-113.89	0.18	-999	1.13	-999
5	26.01	-114.28	-999	-999	0.59	-999
5	26.24	-114.48	0.10	-999	0.95	-999

5	26.70	-114.88	-999	-999	0.80	-999
5	26.95	-115.07	-999	-999	1.03	-999
5	27.43	-115.47	-999	-999	0.65	-999
5	27.65	-115.68	-999	-999	0.96	-999
5	28.13	-116.04	-999	-999	0.64	-999
5	28.37	-116.22	-999	-999	0.82	-999
5	28.91	-116.41	-999	-999	0.56	-999
5	29.18	-116.46	-999	-999	0.73	-999
5	29.69	-116.57	-999	-999	0.60	-999
5	29.94	-116.63	-999	-999	0.75	-999
5	30.48	-116.77	-999	-999	0.42	-999
5	30.76	-116.83	-999	-999	0.70	-999
5	31.34	-116.94	-999	-999	0.51	-999
5	31.60	-117.01	0.13	-999	0.80	-999
5	32.17	-117.12	-999	-999	0.67	-999
5	32.45	-117.17	0.12	-999	0.92	-999
5	32.65	-117.26	0.07	-999	0.65	-999
5	32.76	-117.56	-999	-999	0.62	-999
5	32.98	-118.17	-999	-999	0.49	-999
5	33.09	-118.48	0.29	-999	0.59	-999
5	33.31	-119.13	-999	-999	0.52	-999
5	33.42	-119.45	-999	-999	0.72	-999
5	33.67	-120.09	-999	-999	0.55	-999
5	33.81	-120.39	-999	-999	0.64	-999
5	34.22	-120.88	-999	-999	0.51	-999
5	34.47	-121.08	-999	-999	0.88	-999
5	34.96	-121.42	-999	-999	0.48	-999
5	35.20	-121.60	-999	-999	0.52	-999
5	35.69	-121.95	-999	-999	0.45	-999
5	35.94	-122.13	0.19	-999	0.70	-999
5	36.43	-122.49	-999	-999	0.40	-999
5	36.68	-122.67	-999	-999	0.62	-999
5	37.17	-123.05	-999	-999	0.49	-999
5	37.29	-123.14	-999	-999	0.68	-999
5	37.77	-123.51	-999	-999	0.49	-999
5	38.03	-123.68	-999	-999	0.48	-999
5	38.57	-123.90	-999	-999	0.33	-999
5	38.82	-124.06	-999	-999	0.43	-999
5	39.30	-124.40	-999	-999	0.32	-999
5	39.55	-124.55	-999	-999	0.54	-999
5	40.08	-124.82	-999	-999	0.50	-999
5	40.36	-124.92	-999	-999	0.79	-999
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6	12.32	147.01	0.80	-999	0.28	-999
6	12.26	147.18	0.43	0.66	-999	-999
6	12.15	147.51	0.61	-999	0.22	-999
6	12.09	147.68	0.59	0.72	-999	-999
6	11.98	148.00	0.70	-999	0.24	-999

6	11.92	148.16	0.46	0.76	-999	-999
6	11.81	148.48	0.63	-999	0.29	-999
6	11.75	148.64	-999	-999	-999	-999
6	11.41	149.63	1.00	-999	0.22	-999
6	11.35	149.79	0.63	0.86	-999	-999
6	11.24	150.12	0.91	-999	0.19	-999
6	11.21	150.19	0.65	0.86	-999	-999
6	11.14	150.40	0.84	-999	0.20	-999
6	11.08	150.57	-999	0.87	-999	-999
6	10.91	151.07	-999	-999	0.21	-999
6	10.85	151.23	-999	0.85	-999	-999
6	10.74	151.54	-999	-999	0.22	-999
6	10.69	151.69	-999	1.18	-999	-999
6	10.59	151.98	0.80	-999	0.25	-999
6	10.54	152.13	0.59	0.86	-999	-999
6	10.42	152.46	0.70	-999	0.20	-999
6	10.37	152.60	0.56	0.76	-999	-999
6	10.26	152.90	-999	-999	0.29	-999
6	10.21	153.06	-999	0.66	-999	-999
6	10.10	153.37	-999	-999	0.28	-999
6	10.05	153.52	-999	0.70	-999	-999
6	9.94	153.85	-999	-999	0.30	-999
6	9.88	154.00	-999	0.74	-999	-999
6	9.83	154.13	-999	-999	0.29	-999
6	9.78	154.29	-999	0.69	-999	-999
6	9.65	154.66	0.97	-999	0.30	-999
6	9.59	154.81	-999	0.81	-999	-999
6	9.52	155.02	-999	-999	0.16	-999
6	9.48	155.13	0.52	0.71	-999	-999
6	9.41	155.33	-999	-999	0.21	-999
6	9.38	155.43	-999	0.75	-999	-999
6	9.31	155.64	0.93	-999	0.19	-999
6	9.24	155.83	1.17	1.11	-999	-999
6	9.19	155.96	1.01	-999	0.26	-999
6	9.17	156.03	0.80	0.95	-999	-999
6	9.12	156.16	1.15	-999	0.28	-999
6	9.10	156.23	0.77	0.95	-999	-999
6	9.05	156.36	-999	-999	0.30	-999
6	9.04	156.38	0.94	0.82	-999	-999
6	9.00	156.50	1.07	-999	0.34	-999
6	8.97	156.59	1.09	0.87	-999	-999
6	8.86	156.90	1.04	-999	0.31	-999
6	8.80	157.06	0.75	0.87	-999	-999
6	8.69	157.39	1.14	-999	0.25	-999
6	8.63	157.55	0.65	0.82	-999	-999
6	8.52	157.86	0.77	-999	0.35	-999
6	8.47	158.02	0.68	0.79	-999	-999

6	8.36	158.33	0.86	-999	0.26	-999
6	8.30	158.49	0.45	0.88	-999	-999
6	8.20	158.78	0.70	-999	0.36	-999
6	8.14	158.93	0.58	0.85	-999	-999
6	8.04	159.24	0.91	-999	0.30	-999
6	7.98	159.40	0.73	0.90	-999	-999
6	7.87	159.70	1.02	-999	0.34	-999
6	7.82	159.86	-999	0.75	-999	-999
6	7.77	160.01	1.06	-999	0.31	-999
6	7.72	160.14	0.76	0.88	-999	-999
6	7.62	160.42	1.16	-999	0.29	-999
6	7.58	160.55	0.75	0.66	-999	-999
6	7.49	160.81	0.81	-999	0.30	-999
6	7.44	160.92	0.70	0.83	-999	-999
6	7.36	161.15	0.91	-999	0.31	-999
6	7.32	161.27	0.68	0.88	-999	-999
6	7.23	161.51	0.75	-999	0.26	-999
6	7.19	161.64	-999	0.85	-999	-999
6	7.10	161.89	1.06	-999	0.35	-999
6	7.06	162.01	0.49	0.71	-999	-999
6	6.97	162.26	1.02	-999	0.39	-999
6	6.92	162.39	0.85	0.87	-999	-999
6	6.84	162.64	0.93	-999	0.37	-999
6	6.79	162.77	0.79	0.77	-999	-999
6	6.70	163.02	0.92	-999	0.41	-999
6	6.66	163.13	0.66	0.93	-999	-999
6	6.62	163.25	0.82	-999	0.39	-999
6	6.58	163.36	0.53	0.78	-999	-999
6	6.50	163.60	0.74	-999	0.34	-999
6	6.44	163.77	0.60	0.89	-999	-999
6	6.35	164.00	0.82	-999	0.32	-999
6	6.31	164.12	0.62	0.75	-999	-999
6	6.23	164.35	0.82	-999	0.30	-999
6	6.19	164.47	0.57	0.74	-999	-999
6	6.11	164.71	0.92	-999	0.37	-999
6	6.06	164.82	0.79	0.66	-999	-999
6	5.98	165.06	0.92	-999	0.41	-999
6	5.93	165.17	0.58	0.88	-999	-999
6	5.84	165.40	1.12	-999	0.33	-999
6	5.79	165.52	0.86	0.79	-999	-999
6	5.70	165.76	0.85	-999	0.42	-999
6	5.65	165.88	0.68	0.72	-999	-999
6	5.27	166.84	0.98	-999	0.57	-999
6	5.22	166.95	0.59	0.71	-999	-999
6	5.13	167.17	0.81	-999	0.34	-999
6	5.09	167.29	0.61	0.86	-999	-999
6	4.99	167.52	0.92	-999	0.35	-999

6	4.95	167.64	0.61	0.85	-999	-999
6	4.41	168.98	0.97	-999	0.42	-999
6	4.38	169.05	0.73	1.09	-999	-999
6	4.29	169.28	0.99	-999	0.24	-999
6	4.25	169.40	0.66	0.88	-999	-999
6	4.12	169.70	1.09	-999	0.21	-999
6	4.08	169.82	0.79	0.86	-999	-999
6	3.98	170.06	1.04	-999	0.20	-999
6	3.94	170.16	0.82	1.19	-999	-999
6	3.84	170.40	0.91	-999	0.18	-999
6	3.80	170.51	0.87	1.01	-999	-999
6	3.70	170.75	1.18	-999	0.17	-999
6	3.65	170.87	0.74	1.00	-999	-999
6	3.56	171.11	1.07	-999	0.20	-999
6	3.51	171.22	0.77	1.20	-999	-999
6	3.42	171.46	0.88	-999	0.14	-999
6	3.37	171.57	0.74	1.13	-999	-999
6	3.30	171.76	1.14	-999	0.17	-999
6	3.29	171.78	0.93	1.28	-999	-999
6	3.20	172.02	1.13	-999	0.23	-999
6	3.15	172.13	1.03	1.28	-999	-999
6	3.06	172.36	1.28	-999	0.21	-999
6	3.00	172.52	1.64	1.19	-999	-999
6	2.90	172.75	1.09	-999	0.26	-999
6	2.86	172.86	1.00	1.10	-999	-999
6	2.77	173.07	1.10	-999	0.22	-999
6	2.73	173.18	0.93	1.12	-999	-999
6	2.64	173.42	1.24	-999	0.20	-999
6	2.59	173.53	1.08	1.19	-999	-999
6	2.50	173.76	1.29	-999	0.35	-999
6	2.45	173.88	1.13	1.35	-999	-999
6	2.36	174.12	1.28	-999	0.27	-999
6	2.31	174.23	1.15	1.24	-999	-999
6	2.21	174.48	1.52	-999	0.29	-999
6	2.16	174.59	1.24	1.06	-999	-999
6	2.13	174.69	1.64	-999	0.33	-999
6	2.08	174.80	1.30	1.11	-999	-999
6	1.99	175.04	1.41	-999	0.30	-999
6	1.94	175.16	1.36	1.21	-999	-999
6	1.84	175.41	1.32	-999	0.27	-999
6	1.80	175.52	1.43	1.23	-999	-999
6	1.70	175.75	1.54	-999	0.26	-999
6	1.66	175.87	1.20	1.27	-999	-999
6	1.56	176.10	1.41	-999	0.26	-999
6	1.51	176.22	1.15	1.25	-999	-999
6	1.42	176.45	1.60	-999	0.31	-999
6	1.37	176.57	1.44	1.38	-999	-999

6	1.27	176.81	1.37	-999	0.32	-999
6	1.23	176.93	1.34	1.22	-999	-999
6	1.13	177.18	1.54	-999	0.39	-999
6	1.08	177.30	1.34	1.36	-999	-999
6	0.97	177.55	1.76	-999	0.30	-999
6	0.97	177.57	1.44	1.62	-999	-999
6	0.89	177.75	-999	-999	-999	-999
6	0.85	177.87	-999	-999	-999	-999
6	0.75	178.09	-999	0.86	0.21	-999
6	0.70	178.23	1.90	1.03	-999	-999
6	0.61	178.45	1.80	1.01	0.24	-999
6	0.57	178.57	1.80	1.19	-999	-999
6	0.48	178.79	1.90	-999	0.28	-999
6	0.43	178.91	1.88	1.21	-999	-999
6	0.35	179.12	1.80	-999	0.21	-999
6	0.30	179.24	1.62	1.47	-999	-999
6	0.21	179.48	1.59	-999	0.21	-999
6	0.16	179.59	1.72	1.54	-999	-999
6	0.07	179.83	1.75	-999	0.23	-999
6	0.02	179.96	1.86	1.65	-999	-999
6	0.00	-179.79	1.99	-999	0.27	-999
6	0.00	-179.30	2.12	1.31	-999	-999
6	0.00	-179.04	2.03	-999	0.29	-999
6	0.00	-178.92	2.03	1.32	-999	-999
6	0.00	-178.65	1.85	-999	0.31	-999
6	0.05	-178.55	1.96	1.37	-999	-999
6	0.23	-178.37	2.01	-999	0.28	-999
6	0.32	-178.28	1.87	1.53	-999	-999
6	0.50	-178.10	2.01	-999	0.26	-999
6	0.60	-178.02	1.97	1.44	-999	-999
6	0.78	-177.83	2.09	-999	0.25	-999
6	0.88	-177.74	1.84	1.31	-999	-999
6	1.06	-177.56	1.83	-999	0.24	-999
6	1.15	-177.47	1.72	1.52	-999	-999
6	1.34	-177.29	1.86	-999	0.21	-999
6	1.43	-177.19	1.57	1.41	-999	-999
6	1.58	-177.04	1.72	-999	0.27	-999
6	1.60	-177.02	2.06	1.33	-999	-999
6	1.78	-176.84	1.82	-999	0.27	-999
6	1.88	-176.75	1.71	1.37	-999	-999
6	2.06	-176.57	1.76	-999	0.33	-999
6	2.17	-176.46	1.70	1.43	-999	-999
6	2.34	-176.27	1.69	-999	0.30	-999
6	2.43	-176.19	1.55	1.47	-999	-999
6	2.61	-176.01	1.44	-999	0.22	-999
6	2.70	-175.92	1.35	1.33	-999	-999
6	2.87	-175.73	1.35	-999	0.19	-999

6	2.95	-175.64	1.32	1.32	-999	-999
6	3.13	-175.46	1.44	-999	0.24	-999
6	3.22	-175.37	1.18	1.29	-999	-999
6	3.39	-175.19	1.10	-999	0.40	-999
6	3.47	-175.10	0.90	1.19	-999	-999
6	3.65	-174.92	1.27	-999	0.48	-999
6	3.74	-174.83	1.06	1.22	-999	-999
6	3.82	-174.76	1.33	-999	0.47	-999
6	3.90	-174.67	1.16	1.01	-999	-999
6	4.08	-174.49	1.39	-999	0.46	-999
6	4.17	-174.40	1.07	1.01	-999	-999
6	4.36	-174.18	-999	-999	-999	-999
6	4.46	-174.08	0.93	1.02	-999	-999
6	4.66	-173.88	1.35	-999	0.43	-999
6	4.76	-173.79	1.31	1.06	-999	-999
6	4.95	-173.61	1.18	-999	0.45	-999
6	5.05	-173.51	1.06	1.05	-999	-999
6	5.25	-173.31	1.14	-999	0.39	-999
6	5.34	-173.21	0.94	1.02	-999	-999
6	5.54	-173.01	1.33	-999	0.36	-999
6	5.64	-172.91	1.16	1.03	-999	-999
6	5.85	-172.70	1.36	-999	0.31	-999
6	5.91	-172.64	1.24	0.96	-999	-999
6	5.97	-172.52	1.67	-999	0.30	-999
6	5.87	-172.42	1.59	1.14	-999	-999
6	5.68	-172.23	1.80	-999	0.31	-999
6	5.56	-172.10	1.43	1.34	-999	-999
6	5.38	-171.91	1.71	-999	0.25	-999
6	5.28	-171.81	1.33	1.16	-999	-999
6	5.08	-171.62	1.55	-999	0.20	-999
6	4.98	-171.52	1.81	1.24	-999	-999
6	4.78	-171.33	1.62	-999	0.33	-999
6	4.69	-171.23	1.58	1.42	-999	-999
6	4.50	-171.04	2.01	-999	0.36	-999
6	4.40	-170.95	1.91	1.49	-999	-999
6	4.21	-170.75	1.73	-999	0.28	-999
6	4.11	-170.65	1.70	1.55	-999	-999
6	3.92	-170.46	2.17	-999	0.32	-999
6	3.89	-170.42	1.91	1.36	-999	-999
6	3.72	-170.26	2.07	-999	0.30	-999
6	3.63	-170.16	1.67	1.41	-999	-999
6	3.43	-169.97	1.98	-999	0.30	-999
6	3.34	-169.87	1.84	1.17	-999	-999
6	3.13	-169.67	1.68	-999	0.25	-999
6	3.04	-169.58	1.78	1.16	-999	-999
6	2.84	-169.38	1.88	-999	0.24	-999
6	2.75	-169.28	1.80	1.20	-999	-999

6	2.55	-169.08	1.97	-999	0.29	-999
6	2.45	-168.99	1.90	1.27	-999	-999
6	2.25	-168.79	1.94	-999	0.31	-999
6	2.16	-168.69	1.92	1.45	-999	-999
6	1.97	-168.50	1.92	-999	0.29	-999
6	1.87	-168.41	1.71	1.23	-999	-999
6	1.68	-168.22	1.81	-999	0.25	-999
6	1.58	-168.12	1.69	1.14	-999	-999
6	1.38	-167.92	1.71	-999	0.30	-999
6	1.29	-167.82	1.67	1.24	-999	-999
6	1.09	-167.63	1.93	-999	0.31	-999
6	1.03	-167.56	2.04	1.53	-999	-999
6	0.92	-167.45	1.99	-999	0.32	-999
6	0.82	-167.35	1.90	1.21	-999	-999
6	0.62	-167.16	2.16	-999	0.26	-999
6	0.52	-167.06	2.02	1.34	-999	-999
6	0.32	-166.85	2.20	-999	0.32	-999
6	0.23	-166.76	2.00	1.31	-999	-999
6	0.04	-166.57	1.92	-999	0.32	-999
6	0.02	-166.57	1.86	1.17	-999	-999
6	0.15	-166.39	1.91	-999	0.27	-999
6	0.24	-166.29	1.86	1.29	-999	-999
6	0.44	-166.09	1.96	-999	0.27	-999
6	0.54	-165.99	1.98	1.34	-999	-999
6	0.73	-165.80	2.16	-999	0.27	-999
6	0.83	-165.70	1.94	1.09	-999	-999
6	1.02	-165.51	1.98	-999	0.31	-999
6	1.13	-165.40	1.84	1.21	-999	-999
6	1.32	-165.21	1.93	-999	0.22	-999
6	1.41	-165.12	1.88	1.13	-999	-999
6	1.60	-164.93	1.92	-999	0.22	-999
6	1.70	-164.83	1.71	1.12	-999	-999
6	1.88	-164.64	1.80	-999	0.20	-999
6	1.98	-164.55	1.73	1.36	-999	-999
6	2.17	-164.36	1.82	-999	0.22	-999
6	2.26	-164.26	1.68	1.06	-999	-999
6	2.46	-164.07	1.86	-999	0.25	-999
6	2.56	-163.97	1.79	1.32	-999	-999
6	2.65	-163.87	1.97	-999	0.25	-999
6	2.75	-163.77	1.79	1.20	-999	-999
6	2.94	-163.58	2.08	-999	0.25	-999
6	3.04	-163.48	1.99	1.22	-999	-999
6	3.25	-163.27	2.13	-999	0.27	-999
6	3.35	-163.17	1.96	1.32	-999	-999
6	3.55	-162.97	2.11	-999	0.32	-999
6	3.65	-162.87	1.98	1.47	-999	-999
6	3.83	-162.68	2.07	-999	0.33	-999

6	3.93	-162.58	2.08	1.22	-999	-999
6	4.12	-162.39	2.23	-999	0.28	-999
6	4.21	-162.30	2.31	1.38	-999	-999
6	4.40	-162.11	2.12	-999	0.32	-999
6	4.50	-162.01	2.07	1.26	-999	-999
6	4.69	-161.82	2.03	-999	0.32	-999
6	4.79	-161.72	1.94	1.22	-999	-999
6	4.87	-161.63	2.16	-999	0.31	-999
6	4.97	-161.54	1.97	1.13	-999	-999
6	5.16	-161.35	2.14	-999	0.30	-999
6	5.25	-161.25	1.94	1.31	-999	-999
6	5.49	-161.02	2.11	-999	0.39	-999
6	5.58	-160.93	1.75	1.20	-999	-999
6	5.77	-160.74	1.92	-999	0.32	-999
6	5.86	-160.64	1.86	1.11	-999	-999
6	5.95	-160.46	1.83	-999	0.29	-999
6	5.84	-160.39	1.87	1.14	-999	-999
6	5.62	-160.23	2.07	-999	0.35	-999
6	5.51	-160.15	2.07	1.13	-999	-999
6	5.30	-160.00	2.33	-999	0.33	-999
6	5.19	-159.92	2.17	1.08	-999	-999
6	4.96	-159.76	2.14	-999	0.32	-999
6	4.85	-159.69	1.98	1.25	-999	-999
6	4.74	-159.60	1.95	-999	0.27	-999
6	4.63	-159.52	2.03	1.30	-999	-999
6	4.41	-159.37	2.20	-999	0.38	-999
6	4.32	-159.29	2.09	1.26	-999	-999
6	4.11	-159.06	2.11	-999	0.38	-999
6	4.02	-158.97	2.06	1.28	-999	-999
6	3.87	-158.75	2.37	-999	0.40	-999
6	3.79	-158.65	2.49	1.28	-999	-999
6	3.61	-158.45	2.42	-999	0.36	-999
6	3.52	-158.35	2.34	1.21	-999	-999
6	3.32	-158.16	2.56	-999	0.38	-999
6	3.22	-158.07	2.49	1.40	-999	-999
6	3.01	-157.88	2.51	-999	0.38	-999
6	3.13	-157.88	2.49	1.25	-999	-999
6	3.40	-157.88	2.35	-999	0.35	-999
6	3.41	-157.88	2.35	1.21	-999	-999
6	3.66	-157.79	2.45	-999	0.32	-999
6	3.78	-157.73	2.48	1.14	-999	-999
6	4.03	-157.83	2.41	-999	0.27	-999
6	4.16	-157.89	2.45	1.19	-999	-999
6	4.45	-158.03	2.41	-999	0.24	-999
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6	4.85	-158.20	2.19	-999	0.24	-999
6	4.97	-158.25	2.09	1.13	-999	-999

6	5.23	-158.36	2.17	-999	0.33	-999
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6	6.36	-158.78	1.68	-999	0.36	-999
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6	6.77	-158.66	1.45	0.91	-999	-999
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6	7.13	-158.56	1.22	0.86	-999	-999
6	7.41	-158.52	1.26	-999	0.46	-999
6	7.55	-158.49	1.16	0.86	-999	-999
6	7.79	-158.39	1.03	-999	0.53	-999
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6	8.19	-158.38	0.97	-999	0.56	-999
6	8.33	-158.38	0.78	0.89	-999	-999
6	8.60	-158.38	0.90	-999	0.60	-999
6	8.73	-158.37	0.61	0.82	-999	-999
6	9.00	-158.36	0.83	-999	0.55	-999
6	9.14	-158.35	0.77	0.85	-999	-999
6	9.35	-158.34	0.80	-999	0.51	-999
6	9.39	-158.31	0.61	0.87	-999	-999
6	9.61	-158.20	0.96	-999	0.51	-999
6	9.75	-158.20	0.62	0.85	-999	-999
6	9.95	-158.05	0.73	-999	0.52	-999
6	9.97	-158.07	-999	-999	-999	-999
6	10.17	-158.03	0.83	-999	0.47	-999
6	10.30	-157.97	0.58	0.84	-999	-999
6	10.56	-157.88	0.81	-999	0.51	-999
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6	10.97	-157.88	0.82	-999	0.54	-999
6	11.11	-157.88	0.63	0.73	-999	-999
6	11.38	-157.88	0.75	-999	0.61	-999
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6	12.10	-157.88	0.70	-999	0.50	-999
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6	13.16	-157.76	0.61	-999	0.49	-999
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6	14.37	-157.82	0.56	-999	0.45	-999

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6	14.77	-157.81	0.64	-999	0.44	-999
6	14.91	-157.81	0.39	0.74	-999	-999
6	15.09	-157.81	0.61	-999	0.46	-999
6	15.17	-157.81	0.42	0.74	-999	-999
6	15.43	-157.84	0.60	-999	0.45	-999
6	15.56	-157.86	0.39	0.85	-999	-999
6	15.81	-157.88	0.60	-999	0.53	-999
6	15.94	-157.88	0.37	0.75	-999	-999
6	16.24	-157.88	0.57	-999	0.40	-999
6	16.36	-157.88	0.41	0.64	-999	-999
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6	16.73	-157.88	0.42	0.69	-999	-999
6	16.99	-157.89	0.48	-999	0.46	-999
6	17.13	-157.89	0.36	0.80	-999	-999
6	17.39	-157.88	0.55	-999	0.54	-999
6	17.53	-157.88	0.34	0.78	-999	-999
6	17.80	-157.88	0.58	-999	0.43	-999
6	17.94	-157.88	0.38	0.77	-999	-999
6	18.09	-157.88	0.63	-999	0.54	-999
6	18.21	-157.88	0.33	0.79	-999	-999
6	18.47	-157.88	0.67	-999	0.45	-999
6	18.60	-157.88	0.36	0.73	-999	-999
6	18.86	-157.88	0.62	-999	0.45	-999
6	18.99	-157.88	0.41	0.95	-999	-999
6	19.28	-157.88	0.73	-999	0.36	-999
6	19.41	-157.88	0.47	0.78	-999	-999
6	19.68	-157.88	0.74	-999	0.37	-999
6	19.81	-157.88	0.60	0.80	-999	-999
6	20.08	-157.89	0.77	-999	0.36	-999
6	20.21	-157.89	0.62	0.84	-999	-999
6	21.49	-157.42	-999	-999	0.73	-999
6	21.68	-157.33	0.92	0.84	0.71	-999
6	21.97	-157.19	-999	-999	0.51	-999
6	22.11	-157.13	0.63	0.77	0.61	-999
6	22.40	-156.99	-999	-999	0.51	-999
6	22.55	-156.92	0.64	0.77	0.58	-999
6	22.85	-156.78	-999	-999	0.45	-999
6	23.00	-156.71	0.55	0.74	0.56	-999
6	23.31	-156.56	-999	-999	0.52	-999
6	23.46	-156.49	0.64	0.70	0.56	-999
6	23.76	-156.35	-999	-999	0.46	-999
6	23.86	-156.30	0.56	0.66	0.53	-999
6	24.05	-156.21	-999	-999	0.43	-999
6	24.19	-156.14	0.56	0.73	0.50	-999
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6	24.65	-155.92	0.53	0.71	0.42	-999

6	24.95	-155.78	-999	-999	0.35	-999
6	25.10	-155.71	0.48	0.67	0.41	-999
6	25.40	-155.56	-999	-999	0.35	-999
6	25.55	-155.49	0.56	0.74	0.37	-999
6	25.87	-155.33	-999	-999	0.36	-999
6	26.05	-155.25	0.58	0.70	0.39	-999
6	26.41	-155.07	-999	-999	0.41	-999
6	26.59	-154.98	0.76	0.77	0.47	-999
6	26.94	-154.81	-999	-999	0.46	-999
6	27.12	-154.72	0.86	0.85	0.55	-999
6	27.47	-154.55	-999	-999	0.48	-999
6	27.59	-154.49	0.87	0.82	0.54	-999
6	27.72	-154.43	-999	-999	0.40	-999
6	27.90	-154.34	0.71	0.75	0.50	-999
6	28.30	-154.14	-999	-999	-999	-999
6	28.48	-154.06	0.79	0.79	0.50	-999
6	28.82	-153.88	-999	-999	0.48	-999
6	29.00	-153.79	0.84	0.84	0.50	-999
6	29.36	-153.62	-999	-999	0.40	-999
6	29.52	-153.54	0.93	0.78	0.44	-999
6	29.88	-153.36	-999	-999	0.33	-999
6	30.27	-153.16	0.89	0.93	0.37	-999
6	30.64	-152.97	-999	-999	0.34	-999
6	30.83	-152.88	0.80	0.86	0.43	-999
6	31.18	-152.70	-999	-999	0.40	-999
6	31.36	-152.60	0.98	0.85	0.43	-999
6	31.57	-152.50	-999	-999	0.37	-999
6	31.72	-152.42	0.95	0.85	0.39	-999
6	32.07	-152.24	-999	-999	0.31	-999
6	32.26	-152.14	1.03	0.86	0.38	-999
6	32.64	-151.95	-999	-999	0.45	-999
6	32.82	-151.85	1.15	0.84	0.60	-999
6	33.23	-151.64	-999	-999	0.44	-999
6	33.41	-151.55	1.30	0.80	0.46	-999
6	33.71	-151.40	-999	-999	0.29	-999
6	33.89	-151.30	1.08	0.87	0.39	-999
6	34.25	-151.11	-999	-999	0.33	-999
6	34.43	-151.01	1.19	0.90	0.41	-999
6	34.79	-150.82	-999	-999	0.39	-999
6	34.98	-150.72	1.39	0.84	0.41	-999
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6	35.88	-150.24	1.27	0.90	0.42	-999
6	36.38	-149.97	-999	-999	0.35	-999
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6	38.18	-148.98	-999	-999	-999	-999
6	38.58	-148.94	-999	-999	0.40	-999
6	38.78	-148.94	1.04	0.82	0.45	-999
6	39.19	-148.94	-999	-999	0.48	-999
6	39.38	-148.94	1.01	0.85	0.58	-999
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6	39.98	-148.94	1.24	0.86	0.79	-999
6	40.18	-148.94	-999	-999	0.72	-999
6	40.38	-148.94	1.20	0.89	0.74	-999
6	40.78	-148.94	-999	-999	0.76	-999
6	40.98	-148.94	2.09	1.06	0.87	-999
6	41.38	-148.94	-999	-999	0.70	-999
6	41.58	-148.94	2.36	1.06	0.67	-999
6	41.99	-148.94	-999	-999	0.46	-999
6	42.19	-148.94	2.25	1.07	0.53	-999
6	42.56	-148.94	-999	-999	0.48	-999
6	42.76	-148.94	1.67	1.06	0.46	-999
6	43.15	-148.94	-999	-999	0.46	-999
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6	44.35	-148.94	-999	-999	0.47	-999
6	44.55	-148.94	1.63	1.04	0.55	-999
6	44.57	-148.94	-999	-999	0.51	-999
6	44.57	-148.94	1.78	0.96	0.57	-999
6	44.57	-148.83	-999	-999	0.49	-999
6	44.57	-148.64	1.53	0.96	0.52	-999
6	44.57	-148.19	-999	-999	0.48	-999
6	44.57	-148.00	1.96	0.95	0.52	-999
6	44.57	-147.62	-999	-999	0.44	-999
6	44.57	-147.48	1.70	1.02	0.51	-999
6	44.57	-147.48	-999	-999	0.39	-999
6	44.57	-147.29	1.49	0.98	0.43	-999
6	44.57	-146.80	-999	-999	0.37	-999
6	44.57	-146.56	1.46	1.04	0.46	-999
6	44.57	-146.07	-999	-999	0.45	-999
6	44.57	-145.82	1.76	0.98	0.48	-999
6	44.58	-145.33	-999	-999	0.50	-999
6	44.58	-145.09	1.69	1.00	0.53	-999
6	44.58	-144.85	-999	-999	0.46	-999
6	44.58	-144.61	1.41	0.86	0.50	-999
6	44.58	-144.12	-999	-999	0.48	-999
6	44.58	-143.87	1.39	0.91	0.58	-999

6	44.58	-143.37	-999	-999	0.54	-999
6	44.58	-143.12	1.45	0.91	0.61	-999
6	44.58	-142.62	-999	-999	0.80	-999
6	44.58	-142.44	1.50	0.89	0.79	-999
6	44.58	-142.44	-999	-999	0.51	-999
6	44.58	-142.44	1.72	0.96	0.52	-999
6	44.58	-142.25	-999	-999	0.45	-999
6	44.58	-142.01	1.40	0.89	0.51	-999
6	44.58	-141.52	-999	-999	0.48	-999
6	44.58	-141.27	1.36	0.89	0.49	-999
6	44.58	-140.84	-999	-999	0.53	-999
6	44.58	-140.77	1.23	0.87	0.52	-999
6	44.58	-140.27	-999	-999	0.36	-999
6	44.58	-140.02	1.07	0.84	0.47	-999
6	44.58	-139.53	-999	-999	0.49	-999
6	44.58	-138.44	-999	-999	0.75	-999
6	44.58	-138.20	1.64	0.90	0.95	-999
6	44.58	-137.73	-999	-999	1.00	-999
6	44.58	-137.48	1.63	0.92	1.03	-999
6	44.59	-136.99	-999	-999	0.85	-999
6	44.59	-136.75	1.76	0.85	0.98	-999
6	44.59	-136.41	-999	-999	0.63	-999
6	44.59	-136.41	1.14	0.80	0.72	-999
6	44.59	-136.41	-999	-999	0.95	-999
6	44.59	-136.41	1.50	0.91	0.77	-999
6	44.59	-135.97	-999	-999	0.75	-999
6	44.59	-135.73	1.35	0.82	0.99	-999
6	44.59	-135.23	-999	-999	0.73	-999
6	44.59	-134.99	1.37	0.79	0.76	-999
6	44.59	-134.49	-999	-999	0.64	-999
6	44.59	-134.25	1.25	0.87	0.69	-999
6	44.59	-133.74	-999	-999	0.63	-999
6	44.59	-133.52	1.36	0.97	0.76	-999
6	44.59	-133.03	-999	-999	0.56	-999
6	44.59	-132.78	1.01	0.82	0.65	-999
6	44.59	-132.29	-999	-999	0.68	-999
6	44.59	-132.05	1.33	0.75	0.73	-999
6	44.59	-131.56	-999	-999	0.62	-999
6	44.59	-131.32	1.02	0.77	0.72	-999
6	44.59	-130.99	-999	-999	0.63	-999
6	44.59	-130.99	1.16	0.84	0.57	-999
6	44.59	-130.98	-999	-999	0.58	-999
6	44.59	-130.98	1.29	0.92	0.65	-999
6	44.59	-130.83	-999	-999	0.68	-999
6	44.59	-130.54	1.01	0.91	0.73	-999
6	44.59	-129.95	-999	-999	0.67	-999
6	44.59	-129.66	1.10	0.90	0.71	-999

6	44.60	-129.07	-999	-999	0.65	-999
6	44.60	-128.78	0.97	0.88	0.65	-999
6	44.60	-128.18	-999	-999	0.65	-999
6	44.60	-127.89	1.05	0.87	0.66	-999
6	44.60	-127.29	-999	-999	0.59	-999
6	44.60	-127.00	1.18	0.79	0.56	-999
6	44.60	-126.39	-999	-999	0.50	-999
6	44.60	-126.09	1.03	0.80	0.67	-999
6	44.58	-125.49	-999	-999	0.38	-999
6	44.59	-125.21	0.83	0.76	0.37	-999
6	44.58	-124.91	1.48	0.90	0.56	-999
6	44.55	-124.63	2.32	1.17	0.63	-999
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7	10.74	172.95	0.67	0.81	0.25	-999
7	10.83	173.20	0.44	0.87	0.37	-999
7	11.01	173.68	0.45	0.71	0.20	-999
7	11.10	173.92	0.79	0.89	0.32	-999
7	11.27	174.39	0.49	0.73	0.17	-999
7	11.36	174.63	0.78	0.88	0.34	-999
7	11.53	175.09	0.56	0.68	0.20	-999
7	11.62	175.33	0.79	0.91	0.36	-999
7	13.55	-179.41	-999	-999	-999	-999
7	13.67	-179.09	-999	-999	-999	-999
7	13.84	-178.61	-999	-999	-999	-999
7	13.96	-178.29	-999	-999	-999	-999
7	14.14	-177.80	-999	-999	-999	-999
7	14.26	-177.47	-999	-999	-999	-999
7	14.44	-176.98	-999	-999	-999	-999
7	14.56	-176.64	-999	-999	-999	-999
7	14.75	-176.14	-999	-999	-999	-999
7	14.87	-175.81	-999	-999	-999	-999
7	15.05	-175.31	-999	-999	-999	-999
7	15.17	-174.98	-999	-999	-999	-999
7	15.33	-174.54	-999	-999	-999	-999
7	15.44	-174.24	-999	-999	-999	-999
7	15.60	-173.79	-999	-999	-999	-999
7	15.71	-173.50	-999	-999	-999	-999
7	15.87	-173.04	-999	-999	-999	-999
7	15.99	-172.73	-999	-999	-999	-999
7	16.15	-172.27	-999	-999	-999	-999
7	16.26	-171.97	-999	-999	-999	-999
7	16.43	-171.51	-999	-999	-999	-999
7	16.54	-171.19	-999	-999	-999	-999
7	16.72	-170.72	-999	-999	-999	-999
7	16.83	-170.40	-999	-999	-999	-999
7	16.99	-169.96	-999	-999	-999	-999
7	17.09	-169.67	-999	-999	-999	-999
7	17.24	-169.25	-999	-999	-999	-999

7	17.34	-168.98	-999	-999	-999	-999
7	17.49	-168.56	-999	-999	-999	-999
7	17.59	-168.28	-999	-999	-999	-999
7	17.74	-167.86	-999	-999	-999	-999
7	17.85	-167.57	-999	-999	-999	-999
7	18.00	-167.15	-999	-999	-999	-999
7	18.10	-166.86	-999	-999	-999	-999
7	18.26	-166.41	-999	-999	-999	-999
7	18.37	-166.13	-999	-999	-999	-999
7	18.52	-165.69	-999	-999	-999	-999
7	18.61	-165.43	-999	-999	-999	-999
7	18.75	-165.04	-999	-999	-999	-999
7	18.84	-164.79	-999	-999	-999	-999
7	18.98	-164.41	-999	-999	-999	-999
7	19.06	-164.16	-999	-999	-999	-999
7	19.20	-163.79	0.61	0.65	0.48	-999
7	19.26	-163.61	0.37	0.82	0.55	-999
7	19.39	-163.26	0.58	0.68	0.43	-999
7	19.45	-163.08	0.46	0.65	0.48	-999
7	19.57	-162.74	0.39	0.79	0.47	-999
7	19.63	-162.57	0.41	0.75	0.50	-999
7	19.76	-162.21	0.52	0.75	0.45	-999
7	19.83	-162.02	0.51	0.75	0.53	-999
7	19.95	-161.66	0.53	0.78	0.53	-999
7	20.02	-161.49	0.59	0.76	0.56	-999
7	20.14	-161.13	0.58	0.72	0.53	-999
7	20.21	-160.95	0.79	0.70	0.45	-999
7	20.33	-160.58	0.45	0.66	0.39	-999
7	20.40	-160.41	0.71	0.69	0.54	-999
7	20.52	-160.06	0.42	0.71	0.43	-999
7	20.58	-159.88	0.59	0.85	0.52	-999
7	20.71	-159.52	0.41	0.70	0.49	-999
7	20.77	-159.35	0.51	0.72	0.58	-999
7	20.89	-159.01	0.70	0.67	0.55	-999
7	20.95	-158.83	0.57	0.73	0.62	-999
7	21.07	-158.49	0.59	0.56	0.44	-999
7	21.13	-158.32	0.52	0.58	0.44	-999
7	21.22	-158.06	1.07	0.78	0.58	-999
7	21.53	-158.35	1.01	0.69	0.63	-999
7	21.73	-158.44	0.98	0.72	0.69	-999
7	22.18	-158.65	0.46	0.69	0.57	-999
7	22.40	-158.75	0.48	0.70	0.59	-999
7	22.83	-158.96	0.39	0.68	0.57	-999
7	23.05	-159.06	0.40	0.72	0.67	-999
7	23.50	-159.27	0.39	0.68	0.54	-999
7	23.72	-159.38	0.45	0.69	0.61	-999
7	24.16	-159.59	0.46	0.67	0.51	-999

7	24.38	-159.69	0.46	0.66	0.57	-999
7	24.81	-159.90	0.38	0.64	0.51	-999
7	25.03	-160.00	0.37	0.65	0.61	-999
7	25.47	-160.21	0.30	0.67	0.56	-999
7	25.67	-160.30	0.35	0.68	0.63	-999
7	26.11	-160.52	0.31	0.62	0.53	-999
7	26.33	-160.62	0.33	0.65	0.61	-999
7	26.77	-160.84	0.30	0.68	0.52	-999
7	26.98	-160.94	0.29	0.67	0.58	-999
7	27.42	-161.15	0.29	0.66	0.49	-999
7	27.63	-161.26	0.30	0.64	0.57	-999
7	28.05	-161.46	0.29	0.68	0.52	-999
7	28.27	-161.57	0.33	0.70	0.60	-999
7	28.69	-161.78	0.30	0.66	0.52	-999
7	28.90	-161.89	0.29	0.71	0.57	-999
7	29.34	-162.10	0.32	0.66	0.50	-999
7	29.56	-162.21	0.33	0.68	0.55	-999
7	29.99	-162.42	0.31	0.68	0.48	-999
7	30.19	-162.52	0.38	0.67	0.54	-999
7	30.63	-162.75	0.30	0.69	0.51	-999
7	30.85	-162.86	0.35	0.67	0.54	-999
7	31.27	-163.07	0.29	0.65	0.53	-999
7	31.49	-163.18	0.30	0.65	0.57	-999
7	31.90	-163.39	0.33	0.67	0.48	-999
7	32.11	-163.50	-999	-999	-999	-999
7	32.73	-163.81	0.31	0.63	0.53	-999
7	32.94	-163.92	0.31	0.65	0.55	-999
7	33.36	-164.14	0.30	0.64	0.59	-999
7	33.57	-164.25	0.31	0.64	0.64	-999
7	33.96	-164.46	0.33	0.66	0.61	-999
7	34.17	-164.56	0.33	0.69	0.67	-999
7	34.57	-164.77	-999	-999	-999	-999
7	34.76	-164.87	0.34	0.68	0.64	-999
7	34.97	-165.00	0.31	0.71	0.49	-999
7	34.91	-164.92	0.41	0.67	0.66	-999
7	34.99	-164.91	0.39	0.69	0.52	-999
7	34.93	-164.95	0.31	0.66	0.52	-999
7	34.98	-164.92	0.33	0.66	0.58	-999
7	34.94	-164.90	0.34	0.67	0.52	-999
7	34.94	-164.90	0.31	0.63	0.59	-999
7	34.94	-164.90	0.32	0.66	0.37	-999
7	35.27	-165.00	0.33	0.64	0.51	-999
7	35.50	-165.00	0.35	0.66	0.58	-999
7	35.95	-165.00	0.38	0.65	0.53	-999
7	36.18	-165.00	0.34	0.67	0.56	-999
7	36.64	-165.00	0.37	0.65	0.56	-999
7	36.86	-165.00	0.34	0.67	0.56	-999

7	37.31	-165.00	0.49	0.76	0.58	-999
7	37.53	-165.00	0.62	0.88	0.63	-999
7	37.99	-165.00	-999	-999	-999	-999
7	38.22	-165.00	0.70	0.92	0.64	-999
7	38.68	-165.00	0.76	0.92	0.78	-999
7	38.91	-165.00	0.69	0.85	0.60	-999
7	39.38	-165.00	0.69	0.84	0.60	-999
7	39.61	-165.00	0.77	0.87	0.63	-999
7	40.06	-165.00	0.71	0.82	0.66	-999
7	40.30	-165.00	0.81	0.86	0.77	-999
7	40.76	-165.00	0.78	0.86	0.82	-999
7	41.00	-165.00	0.78	0.91	0.83	-999
7	41.47	-165.00	0.97	0.94	0.79	-999
7	41.69	-165.00	1.20	0.99	0.88	-999
7	42.12	-165.00	1.20	1.00	0.84	-999
7	42.35	-165.00	1.18	0.92	0.84	-999
7	42.82	-165.00	1.19	0.96	0.79	-999
7	43.05	-165.00	1.23	0.95	0.83	-999
7	43.53	-165.00	0.94	0.91	0.73	-999
7	43.78	-165.00	0.90	0.91	0.74	-999
7	44.27	-165.00	0.90	0.93	0.77	-999
7	44.49	-165.00	1.03	1.04	1.15	-999
7	44.92	-165.00	0.91	0.92	0.64	-999
7	45.13	-165.00	0.91	0.94	0.60	-999
7	45.56	-165.00	1.18	1.05	0.80	-999
7	45.79	-165.00	1.32	1.03	0.82	-999
7	46.25	-165.00	1.44	1.13	0.99	-999
7	46.48	-165.00	1.43	1.07	0.98	-999
7	46.91	-165.00	1.29	1.07	0.94	-999
7	47.13	-165.00	1.33	1.12	0.90	-999
7	47.59	-165.00	1.33	1.15	0.82	-999
7	47.82	-165.00	1.44	1.15	0.99	-999
7	48.27	-165.00	1.18	1.06	0.76	-999
7	48.49	-165.00	1.12	1.02	0.69	-999
7	48.95	-165.00	1.31	1.10	0.63	-999
7	49.18	-165.00	1.24	1.12	0.56	-999
7	49.64	-165.00	1.14	1.07	0.48	-999
7	49.86	-165.00	1.19	0.99	0.46	-999
7	50.07	-165.05	1.35	1.05	0.49	-999
7	50.27	-165.07	1.13	1.03	0.47	-999
7	50.50	-164.95	1.09	0.97	0.47	-999
7	50.57	-165.06	1.16	1.01	0.53	-999
7	50.43	-165.00	1.14	0.99	0.45	-999
7	50.53	-164.87	1.09	1.02	0.49	-999
7	50.53	-164.90	1.16	1.07	0.49	-999
7	50.54	-164.96	1.23	1.09	0.54	-999
7	50.53	-164.94	1.24	1.13	0.69	-999

7	50.53	-164.92	1.23	1.10	0.83	-999
7	50.78	-165.07	1.21	1.09	0.74	-999
7	51.01	-165.15	1.14	1.07	0.84	-999
7	51.47	-165.28	1.23	0.95	1.08	-999
7	51.70	-165.35	1.09	0.95	0.72	-999
7	52.17	-165.48	1.22	0.98	0.91	-999
7	52.40	-165.55	1.21	1.01	0.93	-999
7	52.84	-165.68	1.28	1.04	1.01	-999
7	53.06	-165.75	1.63	1.14	0.73	-999
7	53.47	-165.88	1.63	1.09	0.62	-999
7	53.68	-165.94	1.54	1.10	0.59	-999
7	54.02	-166.32	1.66	1.05	0.64	-999
7	54.34	-165.93	1.71	1.32	0.70	-999
7	54.33	-165.55	1.74	1.28	0.68	-999
7	54.15	-164.84	1.93	1.33	0.70	-999
7	54.06	-164.46	1.99	1.39	0.72	-999
7	53.92	-163.73	1.73	1.30	0.69	-999
7	53.84	-163.37	1.80	1.27	0.68	-999
7	53.68	-162.67	1.13	1.01	0.50	-999
7	53.60	-162.33	1.10	1.01	0.54	-999
7	53.46	-161.62	1.20	1.05	0.59	-999
7	53.38	-161.25	1.56	1.18	0.81	-999
7	53.21	-160.49	1.55	1.12	0.78	-999
7	53.13	-160.12	1.54	1.11	0.77	-999
7	52.98	-159.43	1.52	1.11	0.78	-999
7	52.90	-159.06	1.54	1.14	0.82	-999
7	52.75	-158.35	1.43	1.10	0.86	-999
7	52.67	-158.00	1.38	1.13	0.88	-999
7	52.63	-157.29	1.37	1.13	0.79	-999
7	52.64	-157.33	1.33	1.11	0.81	-999
7	52.63	-157.42	1.30	1.08	0.67	-999
7	52.63	-157.35	1.29	1.06	0.61	-999
7	52.66	-156.89	1.19	1.04	0.59	-999
7	52.67	-156.89	1.22	1.05	0.68	-999
7	52.66	-156.92	1.29	1.11	0.81	-999
7	52.65	-156.95	1.58	1.18	0.85	-999
7	52.62	-157.01	1.59	1.26	0.82	-999
7	52.60	-157.05	1.55	1.33	0.96	-999
7	52.62	-157.10	2.19	1.12	0.86	-999
7	52.63	-157.11	2.26	1.07	0.82	-999
7	52.67	-156.87	2.18	1.23	0.81	-999
7	52.67	-156.88	2.21	1.29	0.81	-999
7	52.66	-156.89	1.93	1.24	0.73	-999
7	52.66	-156.94	1.72	1.19	0.63	-999
7	52.66	-156.93	1.88	1.11	0.64	-999
7	52.64	-156.89	1.78	1.15	0.60	-999
7	52.62	-156.92	1.69	1.06	0.56	-999

7	52.50	-156.72	1.56	1.07	0.55	-999
7	52.24	-156.32	1.56	1.09	0.57	-999
7	52.14	-156.28	1.55	1.05	0.57	-999
7	52.08	-156.54	1.52	1.05	0.53	-999
7	52.05	-156.65	1.55	1.09	0.57	-999
7	52.13	-156.88	1.56	1.13	0.63	-999
7	52.11	-156.81	1.44	1.09	0.59	-999
7	52.10	-156.78	1.57	1.15	0.60	-999
7	52.10	-156.80	1.59	1.19	0.64	-999
7	52.08	-156.74	1.43	1.06	0.55	-999
7	52.09	-156.74	1.41	1.04	0.53	-999
7	52.09	-156.67	1.28	0.96	0.57	-999
7	52.08	-156.63	1.16	0.91	0.44	-999
7	52.09	-156.67	1.12	0.92	0.41	-999
7	52.09	-156.60	1.08	-999	0.38	-999
7	52.08	-156.69	1.20	0.96	0.39	-999
7	52.08	-156.69	1.20	1.02	0.43	-999
7	52.08	-156.69	1.17	1.00	0.48	-999
7	52.08	-156.69	1.26	1.04	0.52	-999
7	52.08	-156.69	1.22	1.00	0.47	-999
7	52.08	-156.68	1.18	0.98	0.44	-999
7	52.08	-156.65	1.23	1.00	0.42	-999
7	52.08	-156.65	-999	1.05	0.45	-999
7	52.00	-156.15	1.19	1.00	0.45	-999
7	51.93	-155.75	-999	1.05	0.60	-999
7	51.79	-154.97	-999	1.02	0.43	-999
7	51.72	-154.58	1.20	0.94	0.47	-999
7	51.58	-153.80	1.21	1.01	0.46	-999
7	51.51	-153.40	1.13	1.00	0.48	-999
7	51.38	-152.63	1.19	0.98	0.52	-999
7	51.31	-152.24	1.25	0.99	0.52	-999
7	51.17	-151.46	1.14	0.95	0.45	-999
7	51.10	-151.08	1.24	0.99	0.47	-999
7	50.96	-150.32	-999	1.07	0.49	-999
7	50.90	-149.94	1.15	1.00	0.46	-999
7	50.77	-149.22	1.04	0.98	0.46	-999
7	50.72	-148.96	1.03	0.96	0.46	-999
7	50.74	-149.05	1.07	0.95	0.49	-999
7	50.75	-149.06	1.10	0.91	0.47	-999
7	50.66	-148.61	1.21	0.93	0.47	-999
7	50.58	-148.22	1.10	0.94	0.50	-999
7	50.45	-147.45	0.98	0.95	0.51	-999
7	50.38	-147.07	1.04	0.98	0.56	-999
7	50.24	-146.33	1.05	0.93	0.58	-999
7	50.17	-145.95	1.07	0.97	0.63	-999
7	50.04	-145.20	-999	-999	-999	-999
7	50.00	-145.00	1.03	0.93	0.49	-999

7	50.00	-145.00	1.00	0.92	0.49	-999
7	50.00	-145.00	0.93	0.88	0.44	-999
7	50.00	-144.99	0.97	0.91	0.45	-999
7	50.04	-144.82	0.94	0.95	0.42	-999
7	50.03	-144.87	0.94	0.95	0.46	-999
7	50.02	-144.92	0.93	0.97	0.47	-999
7	49.99	-145.02	0.92	0.92	0.45	-999
7	49.98	-145.07	0.91	0.97	0.45	-999
7	50.03	-144.89	0.91	0.92	0.39	-999
7	50.03	-144.91	0.93	0.94	0.54	-999
7	50.12	-144.94	0.90	0.92	0.47	-999
7	50.10	-144.99	0.89	0.94	0.51	-999
7	50.00	-145.20	0.87	0.97	0.46	-999
7	50.00	-145.31	0.85	0.97	0.51	-999
7	50.00	-145.47	0.85	0.90	0.59	-999
7	49.99	-145.59	0.85	0.96	0.69	-999
7	50.00	-145.84	1.08	1.04	0.77	-999
7	50.00	-145.94	1.15	1.07	0.81	-999
7	50.00	-146.16	1.17	0.84	0.84	-999
7	50.00	-146.25	1.16	0.93	0.81	-999
7	50.00	-146.50	1.13	1.30	0.84	-999
7	50.00	-146.57	1.10	1.16	0.90	-999
7	50.27	-146.15	-999	1.09	0.92	-999
7	50.44	-145.89	-999	1.03	0.96	-999
7	50.77	-145.37	-999	1.04	0.84	-999
7	50.94	-145.10	-999	1.06	0.90	-999
7	50.89	-145.00	1.19	1.07	0.80	-999
7	50.80	-145.00	-999	-999	0.85	-999
7	50.60	-145.00	1.21	1.06	0.83	-999
7	50.51	-145.00	1.18	1.04	0.81	-999
7	50.32	-145.00	1.12	1.02	0.72	-999
7	50.29	-145.00	1.20	1.06	0.76	-999
7	50.10	-145.00	1.31	1.05	0.56	-999
7	50.08	-145.00	1.28	1.05	0.57	-999
7	50.03	-144.88	1.46	1.16	0.69	-999
7	50.03	-144.89	1.68	1.20	0.73	-999
7	49.93	-145.01	1.58	1.15	0.70	-999
7	49.87	-145.09	1.60	1.18	0.73	-999
7	49.77	-145.29	-999	-999	-999	-999
7	49.76	-145.34	-999	-999	-999	-999
7	49.74	-145.40	-999	-999	-999	-999
7	50.51	-148.81	1.25	1.08	0.60	-999
7	50.56	-149.03	1.31	1.03	0.57	-999
7	50.66	-149.52	1.24	1.07	0.55	-999
7	50.71	-149.78	1.23	1.07	0.57	-999
7	50.84	-150.43	1.24	1.06	0.56	-999
7	50.91	-150.76	1.29	1.07	0.58	-999

7	51.04	-151.42	1.25	1.04	0.56	-999
7	51.11	-151.73	1.20	1.10	0.58	-999
7	51.24	-152.39	1.24	1.07	0.55	-999
7	51.30	-152.73	1.37	1.04	0.55	-999
7	51.45	-153.43	2.76	1.10	0.57	-999
7	51.52	-153.78	-999	1.10	0.60	-999
7	51.66	-154.49	2.30	1.09	0.68	-999
7	51.73	-154.85	1.69	1.02	0.64	-999
7	51.87	-155.56	-999	-999	-999	-999
7	51.98	-156.11	1.89	1.00	0.59	-999
7	52.09	-156.66	2.26	1.03	0.54	-999
7	52.10	-156.65	1.90	1.06	0.57	-999
7	52.24	-156.50	1.44	1.08	0.65	-999
7	52.24	-156.47	1.41	1.07	0.74	-999
7	52.27	-156.42	1.45	1.11	0.81	-999
7	52.35	-156.34	1.46	1.14	0.93	-999
7	52.61	-156.08	1.42	1.05	1.26	-999
7	52.70	-156.00	1.29	1.03	1.29	-999
7	52.81	-155.97	1.17	1.02	1.30	-999
7	52.91	-155.93	1.20	1.03	1.22	-999
7	53.23	-155.77	1.23	1.10	1.26	-999
7	53.33	-155.72	1.25	1.10	1.32	-999
7	53.44	-155.67	1.25	1.06	1.36	-999
7	53.53	-155.59	1.23	1.12	1.37	-999
7	53.79	-155.26	1.23	1.08	1.42	-999
7	53.89	-155.16	1.23	1.09	1.44	-999
7	53.95	-155.07	1.17	1.13	1.47	-999
7	53.96	-155.08	1.20	1.07	1.51	-999
7	54.18	-154.89	1.19	1.10	1.55	-999
7	54.37	-154.74	1.23	1.08	1.54	-999
7	54.75	-154.43	1.48	1.04	1.58	-999
7	54.93	-154.28	1.93	1.08	1.57	-999
7	55.29	-153.97	-999	1.02	0.89	-999
7	55.47	-153.82	-999	1.05	0.88	-999
7	55.81	-153.50	-999	1.06	0.79	-999
7	55.99	-153.35	-999	1.06	0.79	-999
7	56.34	-153.04	1.92	1.24	0.69	-999
7	56.50	-152.90	2.58	1.25	0.65	-999
7	56.83	-152.60	3.19	1.23	0.54	-999
7	57.00	-152.45	3.21	1.20	0.52	-999
7	57.34	-152.14	3.06	1.21	0.43	-999
7	57.52	-152.02	3.20	1.26	0.45	-999
7	57.72	-152.24	2.78	1.14	0.39	-999
7	57.73	-152.39	2.91	1.15	0.39	-999
7	57.74	-152.45	2.89	1.15	0.39	-999
7	57.74	-152.45	2.75	1.13	0.40	-999
7	57.74	-152.43	2.85	1.14	0.41	-999

7	57.72	-152.26	2.93	1.25	0.49	-999
7	57.70	-152.10	2.82	1.24	0.45	-999
7	57.43	-151.46	2.42	1.26	0.54	-999
7	57.28	-151.15	2.40	1.25	0.64	-999
7	56.97	-150.49	1.98	1.10	0.64	-999
7	56.82	-150.18	2.07	1.21	0.61	-999
7	56.51	-149.55	1.82	1.08	0.56	-999
7	56.36	-149.24	1.82	1.09	0.63	-999
7	56.07	-148.65	1.68	1.10	1.00	-999
7	55.92	-148.36	1.60	1.08	1.03	-999
7	55.64	-147.77	1.61	1.08	1.04	-999
7	55.50	-147.48	1.62	1.10	1.04	-999
7	55.21	-146.92	1.58	1.08	1.06	-999
7	55.06	-146.62	1.65	1.11	0.99	-999
7	55.01	-146.51	1.63	1.09	1.00	-999
7	54.82	-146.45	1.57	1.08	1.04	-999
7	54.41	-146.32	1.47	1.04	1.08	-999
7	54.20	-146.26	1.34	0.98	1.49	-999
7	53.78	-146.14	1.21	0.96	1.54	-999
7	53.57	-146.08	1.24	0.98	1.52	-999
7	53.15	-145.96	1.14	0.97	1.45	-999
7	52.95	-145.90	1.11	1.01	1.39	-999
7	52.55	-145.79	1.09	0.99	1.26	-999
7	52.37	-145.73	1.19	1.02	1.27	-999
7	52.00	-145.62	1.16	1.01	1.18	-999
7	51.81	-145.54	1.18	0.99	1.17	-999
7	51.43	-145.41	1.09	0.98	1.18	-999
7	51.23	-145.35	1.05	0.96	1.19	-999
7	50.86	-145.25	0.94	0.95	1.14	-999
7	50.65	-145.19	0.99	0.95	1.20	-999
7	50.24	-145.07	0.98	0.95	1.24	-999
7	50.04	-145.01	0.98	1.00	1.26	-999
7	49.90	-145.00	0.98	0.99	1.29	-999
7	49.85	-145.00	0.93	0.96	1.33	-999
7	49.70	-145.00	0.99	0.98	1.40	-999
7	49.63	-145.00	1.00	1.00	1.45	-999
7	49.83	-144.91	1.09	0.98	1.47	-999
7	50.00	-144.84	1.10	1.00	1.47	-999
7	50.00	-144.62	1.07	0.98	1.46	-999
7	50.00	-144.53	1.00	0.94	1.47	-999
7	50.00	-144.20	0.90	0.93	1.42	-999
7	50.00	-144.06	0.87	0.93	1.45	-999
7	50.00	-143.58	0.87	0.92	1.35	-999
7	50.00	-143.43	0.87	0.93	1.29	-999
7	50.13	-143.24	0.93	0.91	1.30	-999
7	50.29	-142.95	0.97	0.93	1.37	-999
7	50.62	-142.39	0.95	0.96	1.40	-999

7	50.79	-142.10	0.98	0.96	1.27	-999
7	51.11	-141.54	0.97	0.99	1.09	-999
7	51.28	-141.26	1.07	1.04	1.01	-999
7	51.60	-140.71	1.22	1.03	0.95	-999
7	51.75	-140.44	1.26	1.07	0.93	-999
7	51.96	-140.07	1.27	1.04	0.75	-999
7	51.91	-139.98	1.27	1.06	0.75	-999
7	51.68	-139.35	1.26	1.03	0.76	-999
7	51.58	-139.04	1.19	1.04	0.84	-999
7	51.38	-138.42	1.08	1.03	0.79	-999
7	51.26	-138.13	1.01	0.97	0.85	-999
7	51.04	-137.58	0.98	0.97	0.95	-999
7	50.98	-137.43	1.00	0.97	0.53	-999
7	50.92	-137.28	0.98	0.94	0.88	-999
7	50.86	-137.13	0.97	0.91	1.49	-999
7	50.68	-136.67	0.84	0.95	1.20	-999
7	50.55	-136.36	0.82	0.93	1.21	-999
7	50.31	-135.74	0.75	0.92	1.11	-999
7	50.18	-135.44	0.75	0.86	1.13	-999
7	50.05	-134.98	0.68	0.83	0.96	-999
7	50.02	-134.98	0.72	0.87	0.95	-999
7	50.00	-134.92	0.68	0.80	0.89	-999
7	49.91	-134.59	0.69	0.85	0.91	-999
7	49.73	-133.93	0.71	0.88	1.12	-999
7	49.63	-133.60	-999	0.98	1.29	-999
7	49.46	-132.94	0.83	0.92	1.02	-999
7	49.37	-132.61	0.78	0.91	1.07	-999
7	49.20	-131.98	0.68	0.86	0.74	-999
7	49.12	-131.65	0.69	0.86	0.76	-999
7	48.97	-130.98	0.66	0.87	0.78	-999
7	48.90	-130.64	0.64	0.83	0.90	-999
7	48.81	-129.97	0.71	0.86	0.84	-999
7	48.73	-129.63	0.63	0.80	0.78	-999
7	48.52	-129.24	0.75	0.88	0.80	-999
7	48.63	-129.52	0.75	0.88	0.82	-999
7	48.79	-130.14	0.65	0.86	0.72	-999
7	48.57	-130.14	0.65	0.82	0.73	-999
7	48.35	-129.54	0.70	0.87	0.59	-999
7	48.25	-129.23	0.59	0.81	0.53	-999
7	48.61	-128.89	0.81	0.92	0.65	-999
7	48.60	-128.53	0.82	0.91	0.54	-999
7	48.57	-127.83	2.49	1.35	0.67	-999
7	48.55	-127.49	2.56	1.29	0.71	-999
7	48.54	-126.80	1.82	1.17	0.65	-999
7	48.55	-126.45	1.36	1.10	0.66	-999
7	48.54	-125.74	2.44	1.54	0.89	-999
7	48.51	-125.41	2.60	1.58	1.04	-999

8	10.95	-55.35	0.85	0.72	2.41	-999
8	10.54	-53.70	0.84	0.60	3.00	-999
8	10.00	-51.34	0.83	0.62	3.09	-999
8	10.00	-47.49	0.78	0.77	2.15	-999
8	10.00	-44.81	0.72	0.74	2.05	-999
8	10.00	-38.54	2.84	0.86	3.05	-999
8	10.01	-36.03	4.00	0.90	2.32	-999
8	10.00	-32.91	3.67	0.79	3.82	-999
8	10.00	-30.20	7.56	1.15	3.87	-999
8	6.63	-26.44	4.58	0.75	2.03	-999
8	3.14	-26.21	3.80	0.84	1.85	-999
8	0.00	-26.00	6.00	0.89	2.41	-999
8	0.06	-23.47	4.32	0.90	2.48	-999
8	5.73	-24.11	4.48	1.00	2.54	-999
8	8.73	-24.67	9.80	0.88	1.94	-999
8	10.59	-24.72	6.43	1.35	4.58	-999
8	11.00	-21.41	6.42	1.56	4.10	-999
8	11.61	-18.44	6.78	1.35	3.14	-999
8	10.53	-16.99	4.21	1.04	3.70	-999
8	9.31	-19.00	37.23	2.61	4.41	-999
8	7.00	-17.08	3.22	0.88	2.22	-999
8	3.59	-1.61	2.90	0.74	2.66	-999
9	22.81	-20.49	-999	-999	-999	8.00
9	22.65	-20.61	-999	-999	-999	8.00
9	22.46	-20.76	-999	0.21	-999	8.00
9	22.28	-20.91	0.21	0.20	-999	8.00
9	22.10	-21.05	0.21	0.21	-999	8.00
9	21.91	-21.19	0.22	0.19	-999	8.00
9	21.73	-21.33	0.21	0.23	-999	8.00
9	21.56	-21.47	0.23	0.16	-999	8.00
9	21.37	-21.61	0.25	0.25	-999	8.00
9	21.20	-21.75	0.29	0.26	-999	8.00
9	21.03	-21.88	0.27	0.36	-999	8.00
9	20.84	-22.03	0.23	0.09	-999	8.00
9	20.61	-22.21	0.30	0.24	-999	8.00
9	20.43	-22.34	0.30	0.29	-999	8.00
9	20.26	-22.47	0.31	0.19	-999	8.00
9	20.08	-22.61	0.32	0.25	-999	8.00
9	19.87	-22.76	0.35	0.29	-999	8.00
9	19.70	-22.90	0.33	-999	-999	8.00
9	18.17	-24.07	0.36	-999	-999	8.00
9	17.12	-23.09	0.27	-999	-999	8.00
9	17.14	-22.87	0.27	-999	-999	8.00
9	17.15	-22.65	0.28	-999	-999	8.00
9	17.17	-22.44	0.29	-999	-999	8.00
9	17.18	-22.22	0.33	-999	-999	8.00
9	17.20	-21.98	0.38	-999	-999	8.00

9	17.21	-21.77	0.33	-999	-999	8.00
9	17.23	-21.57	0.36	-999	-999	8.00
9	17.24	-21.37	0.34	-999	-999	8.00
9	17.26	-21.16	0.37	-999	-999	8.00
9	17.27	-20.96	0.36	-999	-999	8.00
9	17.28	-20.79	0.40	0.27	-999	8.00
9	17.29	-20.58	0.57	-999	-999	8.00
9	17.29	-20.35	0.55	0.22	-999	8.00
9	17.27	-20.14	0.49	-999	-999	8.00
9	17.24	-19.93	0.58	0.30	-999	8.00
9	17.17	-19.35	0.73	0.38	-999	8.00
9	17.19	-19.48	0.67	0.28	-999	8.00
9	17.22	-19.71	0.71	0.31	-999	8.00
9	17.24	-19.94	0.59	-999	-999	8.00
9	17.27	-20.16	0.56	0.27	-999	8.00
9	17.29	-20.28	0.53	-999	-999	8.00
9	17.25	-20.02	0.56	0.35	-999	8.00
9	17.23	-19.81	0.59	0.31	-999	8.00
9	17.20	-19.61	0.58	-999	-999	8.00
9	17.18	-19.41	0.58	0.25	-999	8.00
9	17.15	-19.21	0.64	0.34	-999	8.00
9	17.13	-19.00	0.67	0.29	-999	8.00
9	17.12	-18.79	0.77	0.37	-999	8.00
9	17.13	-18.24	1.05	-999	-999	8.00
9	17.13	-18.05	1.15	0.37	-999	8.00
9	17.13	-17.86	1.16	0.38	-999	8.00
9	17.14	-17.66	1.31	0.39	-999	8.00
9	17.14	-17.47	1.40	0.50	-999	8.00
9	17.20	-17.57	1.19	-999	-999	8.00
9	17.26	-17.75	1.21	0.41	-999	8.00
9	17.33	-17.93	1.16	-999	-999	8.00
9	17.39	-18.11	1.10	0.37	-999	8.00
9	17.46	-18.28	1.14	0.40	-999	8.00
9	17.55	-18.53	0.96	0.31	-999	8.00
9	17.61	-18.36	1.15	0.30	-999	8.00
9	17.66	-18.17	1.34	-999	-999	8.00
9	17.71	-17.98	1.62	0.52	-999	8.00
9	17.76	-17.78	1.65	-999	-999	8.00
9	17.81	-17.58	1.82	0.44	-999	8.00
9	17.86	-17.76	1.65	0.26	-999	8.00
9	17.89	-17.98	1.62	0.46	-999	8.00
9	17.92	-18.19	1.67	0.46	-999	8.00
9	17.82	-18.36	1.38	-999	-999	8.00
9	17.11	-19.06	1.15	-999	-999	8.00
9	16.75	-19.41	1.01	0.32	-999	8.00
9	16.63	-19.58	1.06	0.35	-999	8.00
9	16.61	-19.79	0.95	0.36	-999	8.00

9	16.59	-20.01	0.93	0.29	-999	8.00
9	16.57	-20.22	0.90	0.28	-999	8.00
9	16.55	-20.43	0.93	0.28	-999	8.00
9	16.52	-20.76	1.02	0.35	-999	8.00
9	16.50	-20.97	0.97	0.44	-999	8.00
9	16.50	-20.99	0.89	0.38	-999	8.00
9	16.50	-20.94	0.88	-999	-999	8.00
9	16.35	-20.01	0.62	0.36	-999	8.00
9	16.31	-19.79	0.88	0.21	-999	8.00
9	16.33	-19.58	1.24	0.43	-999	8.00
9	16.35	-19.37	1.33	0.45	-999	8.00
9	16.37	-19.15	1.19	0.54	-999	8.00
9	16.39	-18.94	1.16	0.53	-999	8.00
9	16.41	-18.72	1.12	0.48	-999	8.00
9	16.43	-18.50	1.19	0.58	-999	8.00
9	16.46	-18.29	1.37	0.56	-999	8.00
9	16.47	-18.07	1.46	0.58	-999	8.00
9	16.50	-17.86	1.86	0.58	-999	8.00
9	16.52	-17.64	2.00	0.65	-999	8.00
9	16.54	-17.36	2.60	0.56	-999	8.00
9	16.56	-17.15	2.66	0.71	-999	8.00
9	16.58	-16.94	2.53	0.72	-999	8.00
9	16.62	-16.74	2.92	0.91	-999	8.00
9	16.80	-16.65	2.56	0.65	-999	8.00
9	16.97	-16.54	2.84	-999	-999	8.00
9	17.23	-16.95	2.28	0.59	-999	8.00
9	17.25	-17.18	1.99	0.57	-999	8.00
9	17.31	-17.39	1.71	-999	-999	8.00
9	17.37	-17.58	1.58	0.51	-999	8.00
9	17.43	-17.77	1.69	0.80	-999	8.00
9	17.54	-17.17	2.56	-999	-999	8.00
9	17.55	-16.97	2.84	0.00	-999	8.00
9	17.57	-16.79	2.52	0.67	-999	8.00
9	17.59	-16.62	2.03	0.54	-999	8.00
9	17.65	-16.48	1.69	0.80	-999	8.00
9	17.81	-16.43	1.50	0.46	-999	8.00
9	17.96	-16.39	0.87	0.55	-999	8.00
9	18.09	-16.40	1.13	0.53	-999	8.00
9	18.12	-16.61	0.74	0.55	-999	8.00
9	18.12	-16.83	1.76	0.51	-999	8.00
9	18.12	-17.42	1.86	0.45	-999	8.00
9	18.12	-17.64	1.41	0.39	-999	8.00
9	18.12	-17.85	0.92	0.37	-999	8.00
9	18.12	-18.07	1.15	0.39	-999	8.00
9	18.12	-18.28	0.76	0.49	-999	8.00
9	18.18	-18.14	0.78	0.39	-999	8.00
9	18.19	-17.95	1.13	0.46	-999	8.00

9	18.26	-17.76	1.38	0.47	-999	8.00
9	18.33	-17.57	1.23	0.55	-999	8.00
9	18.40	-17.38	1.78	0.53	-999	8.00
9	18.47	-17.18	1.44	0.41	-999	8.00
9	18.54	-16.98	2.35	0.58	-999	8.00
9	18.61	-16.78	1.35	0.61	-999	8.00
9	18.73	-16.70	1.76	0.00	-999	8.00
9	18.88	-16.67	1.13	0.45	-999	8.00
9	19.04	-16.63	1.33	0.51	-999	8.00
9	19.20	-16.75	1.76	0.49	-999	8.00
9	19.35	-16.90	1.81	0.52	-999	8.00
9	19.51	-17.04	1.08	0.47	-999	8.00
9	19.65	-17.19	1.64	0.52	-999	8.00
9	19.82	-17.32	1.53	0.52	-999	8.00
9	19.97	-17.46	1.44	0.44	-999	8.00
9	20.41	-17.82	1.44	0.60	-999	8.00
9	20.58	-17.95	1.19	0.39	-999	8.00
9	20.73	-18.09	1.01	0.32	-999	8.00
9	20.87	-18.23	-999	0.37	-999	8.00
9	21.02	-18.37	0.68	0.32	-999	8.00
9	21.17	-18.51	0.75	0.33	-999	8.00
9	21.34	-18.51	0.64	0.27	-999	8.00
9	21.45	-18.34	0.57	0.29	-999	8.00
9	21.56	-18.18	0.59	0.27	-999	8.00
9	21.68	-18.03	0.61	0.24	-999	8.00
9	21.80	-17.88	0.68	0.21	-999	8.00
9	21.91	-17.74	0.69	0.23	-999	8.00
9	22.03	-17.59	0.69	0.24	-999	8.00
9	22.14	-17.44	0.75	0.00	-999	8.00
9	22.25	-17.28	0.77	0.29	-999	8.00
9	22.31	-17.11	0.90	0.35	-999	8.00
9	22.50	-17.19	0.75	0.28	-999	8.00
9	22.68	-17.28	0.76	0.25	-999	8.00
9	22.86	-17.37	0.64	0.26	-999	8.00
9	23.04	-17.46	0.66	0.30	-999	8.00
9	23.21	-17.55	0.61	0.24	-999	8.00
9	23.38	-17.64	0.60	0.00	-999	8.00
9	23.56	-17.72	0.56	0.24	-999	8.00
9	24.08	-17.99	0.61	0.27	-999	8.00
9	24.24	-18.07	0.59	0.27	-999	8.00
9	24.40	-18.07	0.61	0.26	-999	8.00
9	24.53	-17.93	0.55	0.25	-999	8.00
9	24.66	-17.80	0.58	0.30	-999	8.00
9	24.78	-17.66	0.53	0.23	-999	8.00
9	24.90	-17.53	0.53	0.26	-999	8.00
9	25.02	-17.39	0.56	0.26	-999	8.00
9	25.13	-17.26	0.59	0.27	-999	8.00

9	25.25	-17.13	0.62	0.26	-999	8.00
9	25.40	-17.10	0.46	0.22	-999	8.00
9	25.56	-17.15	0.64	-999	-999	8.00
9	25.73	-17.20	0.67	0.26	-999	8.00
9	26.27	-17.36	0.68	0.24	-999	8.00
9	26.45	-17.42	0.65	0.24	-999	8.00
9	26.62	-17.47	0.52	0.20	-999	8.00
9	26.79	-17.52	0.50	0.21	-999	8.00
9	26.96	-17.57	0.47	0.21	-999	8.00
9	27.09	-17.47	0.49	0.21	-999	8.00
9	27.20	-17.32	0.00	0.22	-999	8.00
9	27.31	-17.16	0.42	0.00	-999	8.00
9	27.43	-17.00	0.56	0.24	-999	8.00
9	27.55	-16.85	0.68	0.21	-999	8.00
9	27.68	-16.67	0.69	0.19	-999	8.00
9	27.81	-16.49	0.92	0.21	-999	8.00
9	27.94	-16.32	0.97	0.21	-999	8.00
9	28.06	-16.20	0.69	0.24	-999	8.00
9	28.16	-16.10	0.64	0.20	-999	8.00
9	28.27	-15.99	0.38	0.17	-999	8.00
9	28.39	-15.88	0.36	0.19	-999	8.00
9	28.52	-15.76	0.32	0.19	-999	8.00
9	28.98	-15.56	0.38	0.16	-999	8.00
9	29.14	-15.51	0.31	0.20	-999	8.00
9	29.29	-15.46	0.30	0.19	-999	8.00
9	29.43	-15.41	0.34	0.20	-999	8.00
9	29.58	-15.36	0.37	0.25	-999	8.00
9	29.73	-15.31	0.40	0.24	-999	8.00
9	29.89	-15.26	0.43	0.24	-999	8.00
9	30.04	-15.21	0.49	0.24	-999	8.00
9	30.20	-15.16	0.50	0.26	-999	8.00
9	30.36	-15.10	0.54	0.29	-999	8.00
9	30.53	-15.05	0.54	0.27	-999	8.00
9	30.71	-14.99	0.58	0.28	-999	8.00
9	30.88	-14.93	0.53	0.27	-999	8.00
9	31.06	-14.87	0.58	0.29	-999	8.00
9	31.24	-14.81	0.51	0.26	-999	8.00
9	31.43	-14.75	0.42	0.00	-999	8.00
9	31.61	-14.69	0.38	0.24	-999	8.00
9	31.79	-14.63	0.43	0.26	-999	8.00
9	32.02	-14.55	0.37	0.37	-999	8.00
9	32.46	-14.40	0.49	0.26	-999	8.00
9	32.64	-14.34	0.37	0.28	-999	8.00
9	32.82	-14.28	0.40	0.33	-999	8.00
9	33.00	-14.22	0.42	0.36	-999	8.00
9	33.18	-14.14	0.41	0.28	-999	8.00
9	33.36	-14.08	0.40	0.32	-999	8.00

9	33.54	-14.03	0.40	0.29	-999	8.00
9	33.73	-13.97	0.43	0.33	-999	8.00
9	33.91	-13.91	0.36	0.30	-999	8.00
9	34.09	-13.84	0.34	0.29	-999	8.00
9	34.27	-13.79	0.34	0.24	-999	8.00
9	34.46	-13.72	0.34	0.28	-999	8.00
9	34.66	-13.65	0.31	0.24	-999	8.00
9	34.86	-13.58	0.27	0.21	-999	8.00
9	35.06	-13.51	0.30	0.26	-999	8.00
9	35.27	-13.44	0.29	0.22	-999	8.00
9	35.48	-13.36	0.27	0.22	-999	8.00
9	35.68	-13.29	0.27	0.20	-999	8.00
9	35.89	-13.22	0.21	0.17	-999	8.00
9	36.52	-12.99	0.34	0.37	-999	8.00
9	36.73	-12.92	0.25	0.23	-999	8.00
9	36.94	-12.85	0.24	0.24	-999	8.00
9	37.15	-12.77	0.22	0.22	-999	8.00
9	37.37	-12.69	0.24	0.23	-999	8.00
9	37.59	-12.61	0.24	0.23	-999	8.00
9	37.81	-12.53	0.21	0.25	-999	8.00
9	38.03	-12.45	0.21	0.23	-999	8.00
9	38.25	-12.37	0.23	0.24	-999	8.00
9	38.46	-12.29	0.24	0.22	-999	8.00
9	38.68	-12.21	0.20	0.22	-999	8.00
9	38.90	-12.13	0.19	0.20	-999	8.00
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10	54.52	-10.97	0.35	-999	-999	20.00
10	54.59	-11.16	0.21	-999	-999	20.00
10	54.61	-11.24	0.18	0.66	-999	20.00
10	54.65	-11.38	0.44	0.69	-999	20.00
10	54.68	-11.54	0.53	0.77	-999	20.00
10	54.62	-11.69	0.50	0.79	-999	20.00
10	54.56	-11.83	0.64	1.11	-999	20.00
10	54.48	-11.94	0.48	0.87	-999	20.00
10	54.43	-12.10	0.46	0.76	-999	20.00
10	54.38	-12.24	0.47	0.71	-999	20.00
10	54.24	-11.81	0.10	0.66	-999	20.00
10	54.37	-10.75	0.28	0.49	-999	20.00
10	54.29	-10.88	0.28	0.55	-999	20.00
10	54.23	-10.98	0.20	0.63	-999	20.00
10	54.16	-11.09	0.20	0.72	-999	20.00
10	54.09	-11.23	0.21	0.74	-999	20.00
10	54.06	-11.11	0.01	0.05	-999	20.00
10	54.01	-10.94	0.22	0.71	-999	20.00
10	53.98	-11.01	0.17	0.35	-999	20.00
10	53.91	-11.13	0.28	0.72	-999	20.00
10	53.83	-11.26	0.08	0.23	-999	20.00

10	53.75	-11.40	0.29	0.86	-999	20.00
10	53.69	-11.52	0.27	0.54	-999	20.00
10	53.65	-11.62	0.05	0.19	-999	20.00
10	53.59	-11.74	0.05	0.17	-999	20.00
10	53.80	-11.60	0.33	-999	-999	20.00
10	54.07	-11.40	0.15	-999	-999	20.00
10	54.33	-11.20	0.24	-999	-999	20.00
10	54.59	-11.00	0.04	-999	-999	20.00
10	54.92	-10.73	0.14	-999	-999	20.00
10	55.17	-10.51	-999	0.50	-999	20.00
10	55.43	-10.32	0.09	-999	-999	20.00
10	57.03	-9.03	0.12	0.15	-999	20.00
10	57.13	-9.25	0.26	-999	-999	20.00
10	57.13	-9.62	0.21	-999	-999	20.00
10	57.15	-10.30	0.06	-999	-999	20.00
10	57.18	-11.37	0.04	-999	-999	20.00
10	57.17	-11.93	0.21	-999	-999	20.00
10	57.18	-12.62	0.40	-999	-999	20.00
10	57.18	-13.32	0.14	-999	-999	20.00
10	57.12	-13.14	0.59	-999	-999	20.00
10	56.99	-12.65	0.24	0.61	-999	20.00
10	56.89	-12.24	0.27	-999	-999	20.00
10	56.60	-11.17	0.53	-999	-999	20.00
10	56.53	-10.88	0.48	-999	-999	20.00
10	56.39	-10.40	0.49	0.93	-999	20.00
10	56.29	-9.99	0.14	-999	-999	20.00
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10	56.16	-9.83	0.24	-999	-999	20.00
10	56.16	-10.09	0.15	-999	-999	20.00
10	56.16	-10.41	0.29	-999	-999	20.00
10	56.13	-10.67	0.10	-999	-999	20.00
10	55.99	-11.13	0.14	-999	-999	20.00
10	55.70	-11.43	0.13	-999	-999	20.00
10	55.46	-11.18	0.07	0.28	-999	20.00
10	55.23	-10.87	0.34	0.79	-999	20.00
10	54.96	-10.75	0.89	-999	-999	20.00
10	54.68	-10.53	0.77	-999	-999	20.00
10	54.75	-10.83	1.12	0.89	-999	20.00
10	54.88	-11.27	1.33	0.87	-999	20.00
10	55.02	-11.68	0.62	-999	-999	20.00
10	55.31	-11.56	0.74	0.96	-999	20.00
10	55.52	-11.14	0.32	1.22	-999	20.00
10	55.70	-10.77	1.06	0.00	-999	20.00
10	55.89	-10.38	0.46	0.53	-999	20.00
10	56.06	-10.04	0.18	0.55	-999	20.00

10	56.17	-10.05	0.07	0.41	-999	20.00
10	56.28	-10.09	0.08	0.56	-999	20.00
10	56.37	-10.14	0.09	-999	-999	20.00
10	56.46	-10.23	0.09	0.75	-999	20.00
10	56.54	-10.43	0.14	0.73	-999	20.00
10	56.56	-10.61	0.09	0.51	-999	20.00
10	56.56	-10.79	0.09	0.33	-999	20.00
10	56.54	-10.95	0.17	0.41	-999	20.00
10	56.82	-10.23	0.08	0.55	-999	20.00
10	57.00	-9.75	0.00	0.15	-999	20.00
10	57.13	-9.35	0.05	0.33	-999	20.00
10	57.05	-9.40	0.13	0.30	-999	20.00
10	56.98	-9.47	0.06	0.44	-999	20.00
10	56.91	-9.53	0.03	0.28	-999	20.00
10	56.86	-9.60	0.07	0.33	-999	20.00
10	56.82	-9.63	0.16	0.93	-999	20.00
10	56.74	-9.60	0.15	-999	-999	20.00
10	56.63	-9.67	0.09	-999	-999	20.00
10	56.45	-9.90	0.05	-999	-999	20.00
10	56.45	-10.02	-999	0.50	-999	20.00
10	56.45	-10.10	-999	0.63	-999	20.00
10	56.44	-10.18	0.07	-999	-999	20.00
10	56.40	-10.41	0.06	-999	-999	20.00
10	56.54	-11.26	0.47	-999	-999	20.00
10	56.57	-11.36	0.08	0.62	-999	20.00
10	56.61	-11.41	0.26	0.79	-999	20.00
10	56.67	-11.46	0.29	-999	-999	20.00
10	56.73	-11.57	0.26	0.55	-999	20.00
10	56.76	-11.64	0.45	0.41	-999	20.00
10	56.80	-11.73	0.13	0.19	-999	20.00
10	56.85	-11.76	0.30	0.65	-999	20.00
10	56.97	-11.96	0.63	0.51	-999	20.00
10	56.74	-11.64	0.22	0.51	-999	20.00
10	56.40	-11.20	0.39	0.72	-999	20.00
10	56.18	-10.90	0.39	0.50	-999	20.00
10	55.84	-10.45	0.22	0.74	-999	20.00
10	55.60	-10.15	0.19	0.46	-999	20.00
10	55.37	-9.83	0.15	0.39	-999	20.00
10	55.15	-9.57	0.41	0.52	-999	20.00
10	54.84	-9.17	0.28	0.96	-999	20.00
10	54.62	-8.89	0.25	0.66	-999	20.00
10	54.59	-8.61	0.28	0.63	-999	20.00
10	54.63	-8.44	0.17	0.41	-999	20.00
10	54.63	-8.44	0.36	0.31	-999	20.00
10	54.58	-8.53	0.81	0.41	-999	20.00

10	54.62	-8.87	1.15	0.62	-999	20.00
10	54.72	-9.02	1.68	0.92	-999	20.00
10	54.84	-9.16	0.89	0.64	-999	20.00
10	54.95	-9.31	1.11	0.65	-999	20.00
10	55.06	-9.44	0.71	0.62	-999	20.00
10	55.16	-9.59	1.04	0.67	-999	20.00
10	55.28	-9.75	0.33	0.49	-999	20.00
10	55.41	-9.88	0.41	0.63	-999	20.00
10	55.52	-10.03	0.43	0.82	-999	20.00
10	55.54	-10.19	0.49	0.67	-999	20.00
10	55.64	-10.43	0.31	0.62	-999	20.00
10	55.77	-10.59	0.48	0.91	-999	20.00
10	55.89	-10.76	0.60	0.78	-999	20.00
10	56.12	-10.88	0.20	0.41	-999	20.00
10	56.25	-10.83	0.29	0.56	-999	20.00
10	56.38	-10.81	0.41	0.50	-999	20.00
10	56.51	-10.78	0.33	0.62	-999	20.00
10	56.64	-10.56	0.13	0.30	-999	20.00
10	56.70	-10.36	0.25	0.61	-999	20.00
10	56.80	-10.25	0.22	0.47	-999	20.00
10	56.92	-10.28	0.19	0.50	-999	20.00
10	56.85	-11.67	0.10	-999	-999	20.00
10	56.72	-11.88	0.11	0.33	-999	20.00
10	56.65	-11.93	0.20	0.36	-999	20.00
10	56.57	-12.01	0.21	0.38	-999	20.00
10	56.52	-12.12	0.19	0.41	-999	20.00
10	56.47	-12.24	0.19	0.56	-999	20.00
10	56.39	-12.29	0.35	0.68	-999	20.00
10	56.28	-12.30	0.31	0.40	-999	20.00
10	56.21	-12.32	0.27	0.37	-999	20.00
10	56.14	-12.33	0.53	0.57	-999	20.00
10	56.06	-12.31	0.65	0.56	-999	20.00
10	55.94	-12.32	0.70	0.72	-999	20.00
10	55.88	-12.33	0.65	0.76	-999	20.00
10	55.83	-12.32	0.96	0.56	-999	20.00
10	55.77	-12.32	0.94	0.40	-999	20.00
10	55.70	-12.30	0.62	0.53	-999	20.00
10	55.64	-12.33	0.46	0.55	-999	20.00
10	55.60	-12.40	0.52	0.56	-999	20.00
10	55.56	-12.46	0.53	0.69	-999	20.00
10	55.54	-12.52	0.70	0.44	-999	20.00
10	55.68	-11.95	0.52	0.67	-999	20.00
10	55.79	-11.46	0.50	0.53	-999	20.00
10	55.92	-10.96	0.49	0.69	-999	20.00
10	56.05	-10.40	0.50	0.64	-999	20.00

10	56.15	-9.92	0.51	0.55	-999	20.00
10	56.26	-9.42	0.44	0.48	-999	20.00
10	56.37	-8.92	0.57	0.62	-999	20.00
10	56.34	-8.76	1.16	0.72	-999	20.00
10	56.25	-8.77	0.90	0.71	-999	20.00
10	56.19	-8.78	0.79	0.54	-999	20.00
10	56.10	-8.77	0.45	0.53	-999	20.00
10	56.05	-8.86	0.82	0.65	-999	20.00
10	55.99	-9.00	0.48	0.65	-999	20.00
10	55.92	-9.10	0.47	0.64	-999	20.00
10	55.84	-9.20	0.46	0.56	-999	20.00
10	55.97	-9.10	0.82	0.81	-999	20.00
10	56.25	-8.81	0.61	0.55	-999	20.00
10	56.49	-8.54	0.62	0.58	-999	20.00
10	56.76	-8.30	0.82	0.61	-999	20.00
10	56.91	-8.31	1.06	0.72	-999	20.00
10	56.85	-8.32	1.46	0.77	-999	20.00
10	56.78	-8.32	1.48	0.83	-999	20.00
10	56.70	-8.32	1.27	0.72	-999	20.00
10	56.60	-8.39	1.12	0.84	-999	20.00
10	56.54	-8.48	0.61	0.61	-999	20.00
10	56.48	-8.59	0.67	0.73	-999	20.00
10	56.42	-8.67	0.71	0.67	-999	20.00
10	56.50	-8.44	0.98	0.77	-999	20.00
10	56.72	-7.98	1.00	0.73	-999	20.00
10	56.99	-7.80	1.90	1.02	-999	20.00
10	57.27	-7.64	5.57	1.58	-999	20.00
10	57.28	-7.54	7.54	2.09	-999	20.00
10	57.19	-7.55	6.25	1.75	-999	20.00
10	57.12	-7.55	4.77	1.52	-999	20.00
10	57.05	-7.59	3.01	1.21	-999	20.00
10	56.99	-7.70	3.12	1.26	-999	20.00
10	56.84	-7.88	2.11	1.11	-999	20.00
10	56.75	-8.02	1.16	0.68	-999	20.00
10	56.72	-8.34	0.70	0.55	-999	20.00
10	56.64	-8.41	0.67	0.63	-999	20.00
10	56.56	-8.49	0.42	0.53	-999	20.00
10	56.51	-8.65	0.36	0.50	-999	20.00
10	56.50	-8.84	0.41	0.53	-999	20.00
10	56.54	-9.11	0.93	0.31	-999	20.00
10	56.62	-9.24	1.01	0.57	-999	20.00
10	56.74	-9.21	0.93	0.36	-999	20.00
10	56.85	-9.08	1.06	0.41	-999	20.00
10	56.93	-8.81	0.46	0.63	-999	20.00
10	56.87	-8.57	0.45	0.66	-999	20.00

10	56.63	-8.28	0.37	0.52	-999	20.00
10	56.49	-8.11	0.41	0.49	-999	20.00
10	56.55	-8.19	0.57	0.66	-999	20.00
10	56.61	-8.31	0.38	0.47	-999	20.00
10	56.66	-8.42	0.55	0.69	-999	20.00
10	56.71	-8.50	0.49	0.67	-999	20.00
10	56.77	-8.60	0.76	0.98	-999	20.00
10	56.84	-8.69	0.57	0.65	-999	20.00
10	56.87	-8.72	0.62	0.76	-999	20.00
10	56.91	-8.80	0.57	0.73	-999	20.00
10	56.87	-8.37	0.55	0.70	-999	20.00
10	56.93	-8.45	0.48	0.58	-999	20.00
10	56.99	-8.53	0.49	0.63	-999	20.00
10	57.05	-8.63	0.47	0.59	-999	20.00
10	57.00	-8.91	0.49	0.72	-999	20.00
10	56.83	-9.41	0.34	0.49	-999	20.00
10	56.66	-9.86	0.33	0.52	-999	20.00
10	56.49	-10.32	0.33	0.55	-999	20.00
10	56.07	-11.47	0.43	0.68	-999	20.00
10	55.88	-11.97	0.31	0.51	-999	20.00
10	55.72	-12.41	0.26	0.49	-999	20.00
10	55.57	-12.83	0.26	0.45	-999	20.00
10	55.46	-12.93	0.31	0.69	-999	20.00
10	55.34	-12.73	0.27	0.52	-999	20.00
10	55.23	-12.55	0.30	0.60	-999	20.00
10	55.13	-12.38	0.31	0.50	-999	20.00
10	54.99	-12.19	0.39	0.71	-999	20.00
10	54.87	-12.05	0.32	0.53	-999	20.00
10	54.75	-11.92	0.40	0.63	-999	20.00
10	54.51	-11.65	0.33	0.51	-999	20.00
10	54.34	-11.48	0.49	0.66	-999	20.00
10	54.21	-11.34	0.37	0.54	-999	20.00
10	54.09	-11.21	0.34	0.46	-999	20.00
10	53.96	-11.07	0.33	0.50	-999	20.00
10	53.23	-9.91	1.10	0.75	-999	20.00
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11	1.34	104.87	1.98	1.94	0.04	-999
11	1.23	105.00	2.79	2.04	0.45	-999
11	1.16	105.10	2.02	1.80	0.10	-999
11	0.88	105.43	1.81	1.69	0.12	-999
11	0.79	105.54	1.91	1.62	0.72	-999
11	0.70	105.65	1.86	1.58	1.02	-999
11	0.40	106.01	1.76	1.60	0.10	-999
11	0.30	106.13	1.81	1.56	0.60	-999
11	0.19	106.25	1.80	1.49	0.19	-999
11	-0.12	106.60	1.93	1.60	0.28	-999

11	-0.32	106.85	1.83	1.52	1.51	-999
11	-0.74	107.32	1.89	1.51	0.52	-999
11	-0.96	107.54	1.82	1.44	0.05	-999
11	-1.24	107.95	1.83	1.52	0.51	-999
11	-1.33	108.02	-999	1.44	0.14	-999
11	-1.42	108.12	1.80	1.45	0.22	-999
11	-1.75	108.49	1.68	1.50	0.12	-999
11	-1.85	108.61	1.63	1.33	-999	-999
11	-1.96	108.73	1.70	1.32	0.26	-999
11	-2.27	109.08	1.83	1.46	0.68	-999
11	-2.38	109.20	1.81	1.40	0.90	-999
11	-2.48	109.31	1.49	1.33	0.61	-999
11	-2.85	109.53	1.68	1.32	1.58	-999
11	-2.98	109.59	1.67	1.29	1.61	-999
11	-3.10	109.64	1.92	1.24	-999	-999
11	-3.59	109.89	1.57	1.37	3.70	-999
11	-3.72	110.12	1.69	1.25	2.92	-999
11	-3.94	110.51	1.42	1.18	3.44	-999
11	-4.01	110.63	1.47	1.09	4.21	-999
11	-4.09	110.77	1.38	1.04	2.58	-999
11	-4.33	111.17	1.68	1.00	2.95	-999
11	-4.49	111.43	1.61	1.00	3.53	-999
11	-4.72	111.82	1.35	0.97	3.65	-999
11	-4.80	111.95	1.19	0.94	4.31	-999
11	-4.88	112.08	1.21	0.93	5.22	-999
11	-5.07	112.37	0.87	0.96	3.59	-999
11	-5.16	112.49	-999	0.92	1.72	-999
11	-5.24	112.60	1.13	0.87	2.86	-999
11	-5.57	113.08	0.74	0.87	4.45	-999
11	-5.65	113.21	0.74	0.87	4.50	-999
11	-5.74	113.34	0.80	0.86	4.00	-999
11	-5.96	113.71	-999	0.89	3.03	-999
11	-6.05	113.83	0.66	0.82	3.31	-999
11	-6.44	114.35	1.41	1.21	1.84	-999
11	-6.54	114.49	1.56	1.21	0.66	-999
11	-6.62	114.62	1.68	1.26	0.89	-999
11	-6.89	114.99	2.23	1.43	1.02	-999
11	-6.98	115.11	2.25	1.40	0.44	-999
11	-7.05	115.24	2.12	1.33	1.13	-999
11	-7.28	115.67	2.25	1.48	1.35	-999
11	-7.33	115.79	2.05	1.41	0.18	-999
11	-7.40	115.94	1.32	1.20	0.78	-999
11	-7.70	116.49	1.64	1.29	-999	-999
11	-7.77	116.63	1.99	1.40	1.35	-999
11	-7.84	116.76	1.74	1.35	2.57	-999
11	-7.97	117.24	1.40	1.23	3.60	-999
11	-7.97	117.40	1.98	1.27	3.22	-999

11	-7.97	117.55	1.97	1.38	3.48	-999
11	-7.99	118.03	1.37	1.22	3.92	-999
11	-7.99	118.20	1.44	1.18	3.91	-999
11	-7.99	118.37	1.50	1.22	2.58	-999
11	-7.99	118.73	1.38	1.17	-999	-999
11	-8.00	119.05	1.53	1.15	1.63	-999
11	-8.00	119.56	2.09	1.32	0.92	-999
11	-8.00	119.73	2.05	1.29	1.27	-999
11	-7.99	119.90	1.95	1.27	0.71	-999
11	-7.99	120.56	1.81	1.23	0.92	-999
11	-7.99	120.72	1.54	1.18	2.06	-999
11	-7.98	120.90	1.72	1.19	1.25	-999
11	-8.00	121.39	1.61	1.26	1.69	-999
11	-8.00	121.56	1.58	1.18	1.20	-999
11	-8.01	121.73	1.64	1.22	1.30	-999
11	-8.00	122.36	1.18	1.17	2.37	-999
11	-8.00	122.53	1.11	1.08	2.36	-999
11	-8.00	122.98	1.56	1.16	0.61	-999
11	-8.00	123.12	1.76	1.17	1.99	-999
11	-8.01	123.23	1.72	1.13	2.32	-999
11	-8.00	123.62	1.79	1.21	-999	-999
11	-7.99	123.78	1.69	1.11	-999	-999
11	-8.00	123.95	1.60	1.12	-999	-999
11	-7.96	124.61	1.65	1.31	-999	-999
11	-7.99	124.79	1.53	1.25	-999	-999
11	-8.01	124.95	1.54	1.21	-999	-999
11	-8.07	125.38	1.46	1.16	-999	-999
11	-8.08	125.54	1.40	1.11	-999	-999
11	-8.10	125.69	1.38	1.08	1.16	-999
11	-8.15	126.12	1.22	1.05	1.93	-999
11	-8.16	126.26	1.23	1.03	2.71	-999
11	-8.16	126.41	1.09	1.02	2.45	-999
11	-8.20	126.88	1.38	1.07	2.93	-999
11	-8.22	127.03	1.38	1.05	2.02	-999
11	-8.24	127.18	1.32	1.01	1.19	-999
11	-8.29	127.49	1.41	1.01	-999	-999
11	-8.33	127.69	1.43	0.96	-999	-999
11	-9.07	132.69	1.64	1.45	7.28	-999
11	-9.10	132.84	1.43	1.24	2.40	-999
11	-9.12	132.99	1.41	1.17	0.84	-999
11	-9.20	133.43	1.18	1.05	1.86	-999
11	-9.23	133.57	1.22	1.02	0.34	-999
11	-9.26	133.72	1.07	1.00	0.79	-999
11	-9.34	134.16	0.86	0.90	2.50	-999
11	-9.37	134.32	0.88	0.90	1.82	-999
11	-9.40	134.48	0.76	0.92	2.16	-999
11	-9.50	134.96	0.96	0.94	0.91	-999

11	-9.52	135.09	1.21	0.98	0.74	-999
11	-9.54	135.24	1.20	0.99	0.46	-999
11	-9.63	135.82	1.68	1.12	1.15	-999
11	-9.66	135.96	1.60	1.08	-999	-999
11	-9.68	136.09	2.16	1.16	-999	-999
11	-9.76	136.56	-999	1.20	-999	-999
11	-9.82	136.88	2.51	1.21	-999	-999
11	-9.91	137.38	2.74	1.16	-999	-999
11	-9.94	137.56	2.34	1.20	-999	-999
11	-9.97	137.73	2.46	1.13	-999	-999
11	-10.05	138.24	2.13	1.21	-999	-999
11	-10.08	138.41	1.90	1.15	-999	-999
11	-10.10	138.58	1.77	1.10	-999	-999
11	-10.19	139.06	1.65	0.99	-999	-999
11	-10.21	139.21	1.64	1.03	-999	-999
11	-10.23	139.35	1.75	1.04	-999	-999
11	-10.33	139.97	2.18	1.29	-999	-999
11	-10.35	140.14	2.14	1.21	-999	-999
11	-10.38	140.31	2.07	1.16	-999	-999
11	-10.46	140.83	1.73	0.89	-999	-999
11	-10.59	141.63	10.54	2.15	-999	-999
11	-10.54	142.13	30.87	4.50	-999	-999
11	-10.49	142.32	21.85	3.97	-999	-999
11	-10.46	142.50	14.76	3.42	-999	-999
11	-10.22	142.92	9.35	2.31	-999	-999
11	-9.94	143.10	8.85	2.51	-999	-999
11	-9.57	143.42	10.67	2.60	-999	-999
11	-9.45	143.53	10.05	2.65	-999	-999
11	-9.36	143.68	9.93	2.58	-999	-999
11	-9.30	144.16	7.20	2.09	-999	-999
11	-9.36	144.30	6.60	2.04	-999	-999
11	-9.48	144.42	5.95	1.83	-999	-999
11	-9.96	145.53	4.42	1.49	-999	-999
11	-10.08	145.35	4.80	1.55	-999	-999
11	-10.19	145.07	4.15	1.46	-999	-999
11	-10.56	145.44	3.22	1.24	-999	-999
11	-10.70	145.58	3.35	1.18	-999	-999
11	-10.81	145.70	3.13	1.19	-999	-999
11	-11.31	146.23	2.19	1.08	-999	-999
11	-11.44	146.36	2.09	1.08	-999	-999
11	-11.79	146.74	2.41	1.30	-999	-999
11	-11.89	146.85	2.36	1.28	-999	-999
11	-12.00	146.96	2.27	1.27	-999	-999
11	-12.33	147.31	1.85	1.14	-999	-999
11	-12.43	147.41	1.67	1.10	-999	-999
11	-12.54	147.52	1.42	1.08	-999	-999
11	-12.95	147.96	2.43	1.43	0.96	-999

11	-13.06	148.07	2.74	1.44	0.12	-999
11	-13.16	148.18	2.84	1.44	-999	-999
11	-13.49	148.55	3.11	1.45	-999	-999
11	-13.61	148.68	2.71	1.29	-999	-999
11	-13.73	148.81	2.36	1.21	-999	-999
11	-14.07	149.16	2.18	1.23	-999	-999
11	-14.19	149.29	2.42	1.24	-999	-999
11	-14.32	149.42	2.40	1.22	-999	-999
11	-14.64	149.76	1.78	1.09	-999	-999
11	-14.85	150.01	1.49	1.03	-999	-999
11	-15.13	150.34	1.33	0.96	-999	-999
11	-15.24	150.46	1.27	0.95	0.22	-999
11	-15.34	150.57	1.18	0.95	0.29	-999
11	-15.77	150.99	1.10	0.95	0.59	-999
11	-15.88	151.10	1.01	0.94	-999	-999
11	-15.99	151.21	1.01	0.92	0.31	-999
11	-16.35	151.55	0.98	0.90	0.62	-999
11	-16.45	151.66	0.95	0.77	-999	-999
11	-16.55	151.77	1.10	0.88	0.21	-999
11	-16.88	152.13	0.82	0.91	1.00	-999
11	-17.00	152.27	0.82	0.88	0.67	-999
11	-17.13	152.35	0.79	0.82	-999	-999
11	-17.52	152.48	-999	0.90	0.09	-999
11	-17.67	152.53	0.90	0.88	-999	-999
11	-17.81	152.58	-999	0.86	-999	-999
11	-18.24	152.74	0.75	0.77	-999	-999
11	-18.38	152.80	-999	0.85	0.12	-999
11	-19.07	153.07	0.68	0.77	-999	-999
11	-19.23	153.13	0.73	0.84	1.48	-999
11	-19.38	153.19	0.68	0.80	1.66	-999
11	-19.81	153.33	0.76	0.84	-999	-999
11	-19.97	153.38	0.78	0.63	0.61	-999
11	-20.12	153.43	0.69	0.80	1.44	-999
11	-20.54	153.58	0.69	0.80	0.28	-999
11	-20.68	153.63	0.71	0.78	-999	-999
11	-20.82	153.69	-999	0.79	0.06	-999
11	-21.24	153.85	0.93	0.84	-999	-999
11	-21.37	153.89	1.04	0.83	0.30	-999
11	-21.51	153.95	0.97	0.84	-999	-999
11	-21.96	154.05	0.96	0.85	-999	-999
11	-22.32	154.09	1.07	0.79	-999	-999
11	-22.99	154.22	0.94	0.86	0.34	-999
11	-23.16	154.24	0.88	0.85	0.42	-999
11	-23.32	154.26	0.91	0.87	0.97	-999
11	-23.81	154.34	1.06	0.85	-999	-999
11	-23.97	154.37	0.99	0.84	2.25	-999
11	-24.13	154.40	0.96	0.85	-999	-999

11	-24.60	154.47	1.14	0.86	2.57	-999
11	-24.77	154.50	1.09	0.90	2.30	-999
11	-24.93	154.53	0.99	0.87	1.93	-999
11	-25.40	154.62	1.11	0.93	-999	-999
11	-25.56	154.65	0.99	0.89	2.63	-999
11	-25.73	154.67	-999	0.88	2.57	-999
11	-26.21	154.75	0.86	0.88	-999	-999
11	-26.37	154.77	0.91	0.92	2.25	-999
11	-26.52	154.79	0.97	0.92	1.90	-999
11	-27.12	154.88	0.87	0.99	2.15	-999
11	-27.42	154.91	0.90	0.91	2.97	-999
11	-27.88	154.96	0.70	0.85	1.61	-999
11	-28.03	154.98	0.73	0.84	1.92	-999
11	-28.18	155.00	0.81	0.86	2.12	-999
11	-28.63	155.09	0.73	0.84	-999	-999
11	-28.78	155.12	0.74	0.81	-999	-999
11	-28.93	155.15	0.62	0.78	2.12	-999
11	-29.36	155.23	0.69	0.84	-999	-999
11	-29.51	155.23	0.65	0.82	2.53	-999
11	-30.06	155.33	0.64	0.83	-999	-999
11	-30.20	155.35	0.68	0.86	-999	-999
11	-30.33	155.37	0.61	0.82	1.60	-999
11	-30.94	155.49	0.59	0.78	1.93	-999
11	-31.10	155.52	0.53	0.81	2.02	-999
11	-31.26	155.56	0.57	0.80	1.78	-999
11	-31.76	155.62	0.58	0.79	1.81	-999
11	-31.93	155.64	0.62	0.78	1.87	-999
11	-32.09	155.68	0.47	0.76	1.22	-999
11	-32.54	155.78	0.61	0.78	2.10	-999
11	-32.70	155.80	0.57	0.75	1.98	-999
11	-32.86	155.81	0.55	0.73	1.94	-999
11	-33.29	155.89	0.46	0.80	-999	-999
11	-33.43	155.92	0.49	0.75	-999	-999
11	-33.98	156.05	0.68	0.77	-999	-999
11	-34.12	156.12	0.65	0.77	2.25	-999
11	-34.26	156.20	0.78	0.80	-999	-999
11	-34.68	156.52	0.83	0.96	0.06	-999
11	-34.78	156.58	0.81	0.95	0.82	-999
11	-34.90	156.66	0.97	0.88	-999	-999
11	-35.32	156.97	0.66	0.83	1.75	-999
11	-35.46	157.08	0.75	0.87	2.19	-999
11	-35.61	157.19	0.68	0.85	1.14	-999
11	-36.04	157.53	0.68	0.81	0.90	-999
11	-36.19	157.64	0.63	0.80	1.73	-999
11	-36.31	157.74	0.48	0.76	2.26	-999
11	-36.76	158.06	0.47	0.72	-999	-999
11	-36.92	158.18	0.46	0.68	2.83	-999

11	-37.02	158.27	0.57	0.59	-999	-999
11	-37.25	158.53	0.52	0.67	1.70	-999
11	-37.33	158.62	0.52	0.82	2.01	-999
11	-37.41	158.71	0.50	0.69	1.83	-999
11	-37.78	159.33	0.47	0.62	1.95	-999
11	-37.86	159.49	0.39	0.79	2.00	-999
11	-38.11	159.96	0.50	0.70	-999	-999
11	-38.20	160.13	0.43	0.66	-999	-999
11	-38.29	160.29	0.49	0.76	2.58	-999
11	-38.56	160.79	0.53	0.69	-999	-999
11	-38.66	160.96	0.53	0.78	-999	-999
11	-38.75	161.13	0.49	0.67	-999	-999
11	-39.01	161.63	0.46	0.70	-999	-999
11	-39.10	161.81	0.51	0.75	-999	-999
11	-39.45	162.50	0.67	0.79	-999	-999
11	-39.52	162.63	0.58	0.74	-999	-999
11	-39.53	162.76	0.50	0.78	-999	-999
11	-39.57	163.30	0.70	0.85	-999	-999
11	-39.60	163.56	0.74	0.83	-999	-999
11	-39.63	164.02	0.78	0.84	-999	-999
11	-39.65	164.21	0.77	0.80	-999	-999
11	-39.74	165.02	0.55	0.82	-999	-999
11	-39.76	165.22	0.57	0.84	-999	-999
11	-39.79	165.43	0.64	0.82	-999	-999
11	-39.84	166.04	0.51	0.77	-999	-999
11	-39.86	166.25	0.52	0.81	-999	-999
11	-39.95	167.04	0.56	0.78	-999	-999
11	-39.96	167.18	0.61	0.78	-999	-999
11	-40.01	167.87	0.45	0.65	-999	-999
11	-40.02	168.02	0.50	0.81	1.33	-999
11	-40.03	168.17	0.54	0.80	1.16	-999
11	-40.08	168.78	0.59	0.84	1.41	-999
11	-40.10	168.98	0.62	0.85	0.67	-999
11	-40.12	169.18	0.62	0.85	1.11	-999
11	-40.17	169.82	0.67	0.71	2.32	-999
11	-40.19	170.04	0.72	0.85	4.06	-999
11	-40.21	170.24	0.77	0.77	2.99	-999
11	-40.28	170.87	0.79	0.90	2.98	-999
11	-40.30	171.08	0.89	0.89	2.98	-999
11	-40.31	171.27	0.90	0.91	2.98	-999
11	-40.35	171.71	1.01	0.93	0.32	-999
11	-40.36	171.85	1.11	0.90	0.62	-999
11	-40.37	171.98	1.11	0.92	0.78	-999
11	-40.47	172.75	-999	1.09	-999	-999
11	-40.51	173.15	1.52	1.05	-999	-999
11	-40.55	173.58	1.59	1.08	-999	-999
11	-40.56	173.72	1.54	1.09	-999	-999

11	-40.58	173.87	1.62	1.05	-999	-999
11	-40.80	174.20	2.89	1.20	-999	-999
11	-40.90	174.30	4.01	1.45	0.51	-999
11	-41.00	174.42	2.27	1.23	0.74	-999
11	-41.34	174.65	2.04	1.13	0.97	-999
11	-41.44	174.74	2.28	1.10	-999	-999
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12	17.60	-24.30	0.64	0.91	0.71	-999
12	17.59	-24.31	0.63	0.98	0.68	-999
12	17.60	-24.30	0.58	0.99	0.68	-999
12	17.60	-24.30	0.50	0.93	0.69	-999
12	17.60	-24.30	0.54	0.91	0.63	-999
12	17.60	-24.30	0.62	0.93	1.00	-999
12	17.60	-24.30	0.57	0.92	0.72	-999
12	17.60	-24.30	0.59	0.99	0.73	-999
12	17.60	-24.30	0.65	0.95	0.72	-999
12	17.60	-24.30	0.54	1.01	0.76	-999
12	17.60	-24.30	0.61	0.95	0.68	-999
12	17.60	-24.30	0.56	0.94	0.73	-999
12	17.60	-24.30	0.51	1.02	0.71	-999
12	17.60	-24.30	0.84	1.09	0.65	-999
12	17.60	-24.30	0.64	1.03	0.67	-999
12	17.60	-24.31	0.63	1.02	0.68	-999
12	17.60	-24.30	0.59	0.96	0.68	-999
12	17.60	-24.30	0.60	0.99	0.73	-999
12	18.00	-21.00	-999	-999	-999	-999
12	18.01	-21.01	2.24	1.40	1.19	-999
12	18.00	-21.00	2.12	1.41	1.19	-999
12	18.00	-21.00	2.32	1.52	1.20	-999
12	18.00	-21.00	2.38	1.50	1.29	-999
12	18.00	-21.00	2.06	1.44	1.26	-999
12	18.00	-21.00	2.24	1.43	1.32	-999
12	18.00	-21.00	1.96	1.32	1.28	-999
12	18.00	-21.00	1.39	1.44	1.07	-999
12	18.00	-21.00	1.54	1.21	0.96	-999
12	18.00	-21.00	1.88	1.35	0.99	-999
12	18.01	-21.02	1.56	1.12	0.95	-999
12	18.00	-21.00	1.49	1.23	1.10	-999
12	18.00	-21.00	1.61	1.28	1.04	-999
12	18.00	-21.00	1.64	1.59	1.15	-999
12	18.00	-21.00	1.63	1.35	1.06	-999
12	18.00	-21.00	1.35	1.36	0.97	-999
12	18.00	-21.00	1.46	1.30	1.01	-999
12	18.00	-21.00	1.24	1.18	1.11	-999
12	18.00	-21.00	1.65	1.31	1.03	-999
12	18.00	-18.35	-999	-999	-999	-999
12	18.00	-18.00	4.22	1.98	1.08	-999
12	18.00	-18.00	4.87	2.12	0.98	-999

12	18.00	-18.00	5.50	2.21	1.12	-999
12	18.00	-18.00	5.30	2.42	1.06	-999
12	18.00	-18.00	5.38	2.34	1.06	-999
12	18.00	-18.00	5.58	2.24	1.14	-999
12	18.00	-18.00	5.65	2.31	1.04	-999
12	18.00	-18.00	5.78	2.29	1.08	-999
12	18.00	-18.00	5.28	2.14	1.09	-999
12	18.00	-18.00	6.12	2.30	1.06	-999
12	18.00	-18.00	5.32	2.24	0.95	-999
12	18.00	-18.00	5.60	1.96	0.91	-999
12	18.00	-18.00	5.16	2.07	1.02	-999
12	18.00	-18.00	5.12	2.05	0.90	-999
12	18.00	-18.00	5.01	2.13	0.95	-999
12	18.00	-18.01	5.55	2.18	1.02	-999
12	18.00	-18.00	5.20	2.12	0.98	-999
12	18.00	-16.79	-999	-999	-999	-999
12	18.00	-16.70	-999	-999	-999	-999
12	18.00	-16.53	-999	-999	-999	-999
12	18.50	-16.50	5.43	2.53	1.61	-999
12	18.50	-16.53	5.04	2.24	1.43	-999
12	18.50	-16.50	4.76	2.36	1.41	-999
12	18.50	-16.50	4.83	2.35	1.29	-999
12	18.50	-16.50	4.92	2.11	1.13	-999
12	18.50	-16.51	4.87	2.14	1.11	-999
12	18.50	-16.51	4.61	2.04	1.28	-999
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12	18.50	-16.50	4.74	2.28	1.35	-999
12	18.50	-16.50	5.00	2.30	1.50	-999
12	18.50	-16.50	5.71	2.38	1.44	-999
12	18.50	-16.50	5.96	2.64	1.51	-999
12	18.50	-16.50	6.58	2.87	2.06	-999
12	18.50	-16.50	6.42	2.77	2.61	-999
12	18.50	-16.50	6.13	2.63	2.68	-999
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12	18.57	-16.50	5.62	2.65	2.61	-999
12	18.83	-16.50	-999	-999	-999	-999
12	18.98	-16.55	-999	-999	-999	-999
12	19.00	-16.57	5.91	2.72	1.56	-999
12	19.00	-16.57	5.91	2.79	1.80	-999
12	19.00	-16.57	6.68	2.90	1.77	-999
12	19.01	-16.57	8.69	3.14	2.02	-999
12	19.01	-16.57	8.92	2.93	1.78	-999
12	19.00	-16.57	8.29	2.94	-999	-999
12	19.00	-16.57	8.52	2.99	1.80	-999
12	19.00	-16.57	6.74	2.55	2.69	-999
12	19.00	-16.57	6.82	2.52	2.70	-999
12	19.00	-16.57	6.78	2.60	2.83	-999

12	19.00	-16.57	7.35	2.74	2.96	-999
12	19.00	-16.57	6.11	2.82	2.92	-999
12	19.00	-16.57	6.59	2.63	2.69	-999
12	19.00	-16.57	6.30	2.50	2.36	-999
12	19.01	-16.58	6.15	2.68	2.54	-999
12	19.00	-16.57	7.25	2.81	2.44	-999
12	19.00	-16.57	7.15	2.67	2.86	-999
12	19.00	-16.57	5.35	2.87	2.66	-999
12	19.02	-16.59	6.68	2.98	1.93	-999
12	20.00	-17.25	4.61	2.10	1.31	-999
12	20.00	-17.25	4.51	2.11	1.27	-999
12	20.00	-17.25	4.39	2.14	1.16	-999
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12	20.00	-17.25	5.00	2.21	1.13	-999
12	20.00	-17.25	5.32	2.06	1.20	-999
12	20.00	-17.25	6.01	2.34	1.25	-999
12	20.00	-17.25	5.19	2.17	1.43	-999
12	20.00	-17.25	5.87	2.33	1.40	-999
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12	20.00	-17.25	4.81	2.02	1.19	-999
12	20.00	-17.25	5.36	2.22	1.25	-999
12	20.00	-17.25	4.37	1.97	1.07	-999
12	20.00	-17.25	4.07	2.10	1.13	-999
12	20.00	-17.25	4.24	1.87	1.19	-999
12	20.00	-17.25	4.38	1.96	1.16	-999
12	20.00	-17.25	4.08	1.95	1.16	-999
12	20.00	-17.25	4.24	2.19	1.25	-999
12	20.00	-17.25	4.19	2.02	1.41	-999
13	54.33	14.25	2.47	2.02	-999	-999
13	54.68	14.20	2.17	0.54	-999	-999
13	54.97	13.28	-999	0.98	-999	-999
13	54.95	13.32	2.65	1.85	-999	-999
13	54.83	13.38	2.05	2.43	-999	-999
13	54.58	10.58	1.86	1.77	-999	-999
13	54.45	10.18	6.02	2.02	-999	-999
13	54.45	10.18	4.59	1.79	-999	-999
13	54.45	10.18	2.59	2.18	-999	-999
13	54.45	10.18	3.16	1.41	-999	-999
13	54.45	10.18	2.55	1.27	-999	-999
13	54.45	10.18	2.18	2.32	-999	-999
13	54.45	10.18	2.36	0.82	-999	-999
13	54.45	10.18	1.53	0.53	-999	-999
13	54.45	10.18	2.34	1.49	-999	-999
13	54.45	10.18	3.15	1.53	-999	-999
13	54.45	10.18	2.95	1.33	-999	-999

14	54.25	10.13	0.84	0.48	-999	-999
14	54.22	10.10	3.34	0.66	-999	-999
14	54.32	10.14	1.65	1.37	-999	-999
14	54.36	10.90	2.66	1.66	-999	-999
14	54.23	11.80	-999	-999	-999	-999
14	54.21	11.52	-999	-999	-999	-999
14	55.28	16.00	4.03	1.26	-999	-999
14	55.28	16.00	2.04	1.04	-999	-999
14	55.33	16.60	-999	-999	-999	-999
14	57.18	20.04	1.86	1.06	-999	-999
14	57.18	20.05	0.64	0.61	-999	-999
14	57.17	20.03	2.06	1.20	-999	-999
14	57.18	20.04	0.91	0.58	-999	-999
14	57.17	20.05	1.37	1.16	-999	-999
14	55.21	15.30	0.87	0.57	-999	-999
14	55.21	15.80	1.12	1.06	-999	-999
14	55.17	15.00	-999	0.53	-999	-999
14	55.17	14.34	-999	-999	-999	-999
15	57.17	19.60	1.95	1.38	-999	-999
15	57.36	19.96	2.01	1.67	-999	-999
15	57.36	19.96	1.98	1.46	-999	-999
15	59.44	21.26	2.13	1.92	-999	-999
15	59.57	23.44	1.48	1.70	-999	-999
15	59.70	24.26	1.49	1.36	-999	-999
15	59.55	22.45	1.83	1.81	-999	-999
15	59.37	20.11	3.33	1.72	-999	-999
15	59.21	19.00	1.57	1.74	-999	-999
15	-999	-999	3.39	2.13	-999	-999
15	55.25	15.99	2.27	1.84	-999	-999
15	54.65	12.38	1.72	1.55	-999	-999
15	54.49	11.72	2.20	1.72	-999	-999
15	54.34	10.10	1.30	1.27	-999	-999
15	55.43	10.98	2.47	1.64	-999	-999
15	56.23	11.33	2.10	1.30	-999	-999
15	56.49	11.62	1.88	1.59	-999	-999
15	57.95	10.10	2.46	1.91	-999	-999
15	58.08	9.24	2.22	1.78	-999	-999
15	-999	-999	3.09	1.65	-999	-999
15	-999	-999	2.75	2.16	-999	-999
15	58.06	9.26	2.10	1.52	-999	-999
15	58.03	9.22	2.09	1.74	-999	-999
15	57.93	8.88	-999	1.41	-999	-999
15	57.70	8.27	1.99	1.82	-999	-999
15	57.80	5.20	1.83	1.39	-999	-999
15	58.15	2.46	2.23	1.64	-999	-999
15	58.32	1.46	2.23	1.69	-999	-999
15	58.18	0.76	2.05	1.94	-999	-999

15	57.84	1.26	2.09	1.84	-999	-999
15	57.16	2.10	1.77	1.35	-999	-999
15	55.17	5.08	2.11	1.68	-999	-999
15	54.96	5.64	1.85	1.82	-999	-999
15	54.74	6.25	2.09	1.84	-999	-999
15	54.53	6.78	2.21	1.88	-999	-999
15	54.32	7.31	2.14	1.79	-999	-999
15	-999	-999	1.32	1.62	-999	-999
15	54.25	7.54	0.83	1.41	-999	-999
15	53.94	8.60	1.93	1.69	-999	-999
15	53.84	8.84	1.43	1.79	-999	-999
15	53.87	9.08	2.54	4.96	-999	-999
15	53.85	9.30	1.98	2.00	-999	-999
15	53.90	9.15	1.77	1.99	-999	-999
15	-999	-999	1.59	3.90	-999	-999
15	54.26	9.63	1.19	1.57	-999	-999
16	54.86	3.53	2.61	1.23	-999	-999
16	55.56	2.23	2.47	1.28	-999	-999
16	55.67	2.02	3.12	1.32	-999	-999
16	55.26	2.53	1.14	1.23	-999	-999
16	55.26	2.52	1.49	0.90	-999	-999
16	55.49	2.38	2.22	1.13	-999	-999
16	55.51	2.21	1.63	1.23	-999	-999
16	55.41	2.25	2.42	1.50	-999	-999
16	55.33	2.05	3.25	0.71	-999	-999
16	55.11	2.30	2.45	1.22	-999	-999
16	54.92	2.74	2.45	0.96	-999	-999
16	54.69	3.26	3.62	1.63	-999	-999
16	54.60	3.99	3.87	0.34	-999	-999
16	54.49	4.03	3.38	1.37	-999	-999
16	54.69	3.29	3.06	1.31	-999	-999
16	55.09	2.63	3.23	1.43	-999	-999
16	55.10	2.50	2.79	1.51	-999	-999
16	55.05	2.10	1.51	1.13	-999	-999
16	55.09	2.59	1.74	1.44	-999	-999
16	55.05	2.41	2.27	1.36	-999	-999
16	54.98	2.33	1.64	0.85	-999	-999
16	55.19	1.98	2.08	1.15	-999	-999
16	55.12	1.74	2.02	1.38	-999	-999
16	55.18	1.18	1.95	2.04	-999	-999
16	54.15	7.71	2.78	1.50	-999	-999
17	55.98	4.81	3.59	2.12	-999	-999
17	55.27	5.26	1.47	1.64	-999	-999
17	55.94	5.29	1.31	1.54	-999	-999
17	55.40	5.58	-999	-999	-999	-999
17	55.66	5.47	1.25	1.28	-999	-999
17	55.68	5.48	2.14	2.18	-999	-999

17	55.68	4.54	2.30	1.65	-999	-999
17	55.99	4.30	1.67	1.36	-999	-999
17	55.96	4.24	2.59	1.99	-999	-999
17	55.85	5.39	0.94	1.08	-999	-999
17	55.67	5.51	1.47	1.53	-999	-999
17	55.65	5.28	1.05	1.52	-999	-999
17	55.67	5.42	0.81	1.04	-999	-999
17	55.67	5.46	1.34	1.55	-999	-999
17	55.61	5.32	0.83	1.29	-999	-999
17	55.03	4.51	0.28	0.81	-999	-999
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18	55.17	7.28	2.41	1.53	-999	-999
18	55.17	7.28	1.66	1.81	-999	-999
18	55.17	7.28	0.43	1.54	-999	-999
18	55.17	7.28	3.21	1.53	-999	-999
18	55.17	7.28	0.80	1.03	-999	-999
18	55.17	7.28	2.06	1.04	-999	-999
18	55.17	7.28	2.06	1.99	-999	-999
18	55.17	7.28	1.26	2.23	-999	-999
18	55.17	7.28	1.57	2.26	-999	-999
18	55.17	7.28	1.31	2.34	-999	-999
18	55.17	7.28	1.29	1.11	-999	-999
18	55.17	7.28	-999	0.66	-999	-999
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19	55.03	8.40	1.08	1.36	-999	-999
19	55.03	8.40	0.83	1.55	-999	-999
19	55.03	8.40	1.22	0.76	-999	-999
19	55.03	8.40	-999	1.16	-999	-999
19	55.03	8.40	-999	0.65	-999	-999
19	54.83	8.30	0.31	0.59	-999	-999
19	55.03	8.40	0.23	0.93	-999	-999
19	55.03	8.40	-999	1.08	-999	-999
19	55.03	8.40	1.45	1.45	-999	-999
19	55.03	8.40	2.09	0.97	-999	-999
19	55.03	8.37	3.62	1.98	-999	-999
19	55.03	8.37	4.53	1.66	-999	-999
19	55.03	8.37	1.46	1.49	-999	-999
19	55.03	8.37	1.35	1.02	-999	-999
19	55.03	8.45	1.54	0.97	-999	-999
19	55.03	8.40	-999	2.18	-999	-999
19	55.03	8.45	3.46	1.47	-999	-999
19	55.03	8.45	3.38	1.34	-999	-999
19	55.03	8.37	3.98	2.78	-999	-999
19	55.03	8.37	1.48	1.33	-999	-999
19	55.03	8.37	4.07	1.22	-999	-999
19	55.03	8.45	0.97	0.82	-999	-999
19	55.03	8.45	1.69	1.15	-999	-999
19	55.03	8.40	1.58	1.29	-999	-999
19	55.03	8.40	1.98	1.26	-999	-999

19	55.03	8.40	1.27	1.15	-999	-999
19	55.03	8.37	2.02	1.45	-999	-999
19	55.03	8.37	1.95	1.06	-999	-999
19	55.03	8.37	0.84	1.24	-999	-999
19	55.03	8.37	1.72	1.09	-999	-999
19	54.92	8.30	1.59	1.09	-999	-999
19	55.03	8.40	3.47	1.41	-999	-999
19	54.92	8.30	1.79	0.84	-999	-999
19	54.92	8.30	6.70	3.04	-999	-999
19	54.92	8.30	5.16	2.54	-999	-999
19	54.92	8.30	0.16	0.41	-999	-999
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20	57.67	11.87	2.27	1.63	-999	-999
20	57.67	11.87	3.41	1.34	-999	-999
20	57.50	11.93	7.93	2.30	-999	-999
20	57.50	11.93	7.12	1.71	-999	-999
20	57.50	11.93	8.07	3.71	-999	-999
20	57.50	11.93	9.06	2.70	-999	-999
20	57.50	11.93	9.04	2.82	-999	-999
20	57.50	11.93	8.36	3.21	-999	-999
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21	78.65	4.81	0.97	1.55	-999	-999
21	78.23	15.63	3.63	2.01	-999	-999
21	83.57	27.82	3.97	1.75	-999	-999
21	85.07	42.29	0.53	1.23	-999	-999
21	86.08	52.76	0.62	0.92	-999	-999
21	87.31	64.39	0.84	1.49	-999	-999
21	87.30	64.38	-999	-999	-999	-999
21	87.30	64.37	-999	-999	-999	-999
21	88.26	118.62	2.27	1.95	-999	-999
21	88.02	163.93	1.27	2.11	-999	-999
21	88.28	9.37	0.56	1.35	-999	-999
21	86.75	10.11	0.89	0.59	-999	-999
21	85.98	-0.03	1.69	1.69	-999	-999
21	85.30	-14.10	1.25	1.31	-999	-999
21	85.08	-15.09	1.36	1.00	-999	-999
21	84.61	-6.02	-999	0.06	-999	-999
21	84.61	-5.98	1.39	1.64	-999	-999
21	83.59	4.36	2.14	1.84	-999	-999
21	83.29	8.21	2.15	1.87	-999	-999
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22	26.58	-65.08	0.10	-999	-999	5.00
22	26.80	-64.83	0.08	-999	-999	5.00
22	27.03	-64.57	0.56	0.65	-999	5.00
22	27.05	-64.59	0.54	3.71	-999	5.00
22	28.33	-62.96	0.64	2.06	0.22	5.00
22	28.41	-62.87	0.29	0.05	0.21	5.00
22	28.79	-62.42	1.67	2.52	0.22	5.00
22	29.46	-61.61	0.95	1.94	0.25	5.00
22	29.72	-61.30	2.13	-999	-999	5.00

22	29.72	-61.30	1.14	1.89	0.23	5.00
22	29.90	-61.05	0.48	1.99	-999	5.00
22	31.99	-58.09	0.34	0.95	-999	5.00
22	32.44	-57.47	1.01	1.14	-999	5.00
22	33.08	-56.57	0.58	1.08	0.16	5.00
22	33.14	-56.49	0.69	1.17	-999	5.00
22	33.14	-56.49	0.22	1.02	-999	5.00
22	36.29	-56.40	1.31	-999	-999	5.00
22	36.29	-56.40	1.29	-999	-999	5.00
22	35.44	-56.00	1.23	0.14	-999	5.00
22	34.00	-55.46	1.65	0.28	-999	5.00
22	33.47	-55.30	0.06	0.03	-999	5.00
22	32.95	-55.12	0.79	0.13	-999	5.00
22	31.00	-54.46	1.58	1.15	-999	5.00
22	30.84	-54.41	2.09	1.21	0.21	5.00
22	28.19	-53.86	2.58	1.39	0.15	5.00
22	28.92	-53.04	3.11	-999	-999	5.00
22	29.57	-52.33	-999	-999	-999	5.00
22	30.21	-51.87	2.96	1.56	-999	5.00
22	31.75	-50.75	1.23	0.76	0.13	5.00
22	32.04	-50.60	1.73	1.31	-999	5.00
22	32.59	-50.31	1.37	1.13	-999	5.00
22	32.93	-50.12	1.38	1.18	0.18	5.00
22	34.53	-49.28	1.34	1.15	0.11	5.00
22	34.93	-49.07	0.47	0.34	0.56	5.00
22	35.15	-48.80	2.63	2.07	0.23	5.00
22	35.29	-48.54	2.55	1.52	0.14	5.00
22	36.09	-47.03	1.54	1.23	0.08	5.00
22	36.37	-46.73	3.69	2.10	0.00	5.00
22	36.84	-46.16	2.53	1.76	0.13	5.00
22	38.10	-44.88	1.74	1.25	0.09	5.00
22	38.68	-44.32	1.39	1.27	0.08	5.00
22	39.00	-44.00	1.62	1.33	-999	5.00
22	40.90	-42.74	1.14	0.96	0.06	5.00
22	41.68	-42.21	1.78	1.68	-999	5.00
22	41.99	-41.99	1.12	1.06	-999	5.00
22	40.01	-42.75	0.51	0.46	-999	5.00
22	39.42	-42.97	1.28	1.50	0.14	5.00
22	38.75	-43.21	1.13	1.17	0.14	5.00
22	36.29	-44.11	1.10	1.23	0.14	5.00
22	35.73	-44.27	1.10	1.17	0.14	5.00
22	34.99	-44.54	1.03	1.14	0.15	5.00
22	32.63	-45.34	1.30	1.12	0.11	5.00
22	32.18	-45.51	0.87	0.97	0.10	5.00
22	32.27	-45.12	0.93	1.00	0.11	5.00
22	32.77	-42.73	0.80	1.02	-999	5.00
22	32.94	-41.81	0.89	1.00	0.13	5.00

22	33.01	-41.48	0.79	1.07	-999	5.00
22	33.24	-39.39	1.04	1.12	0.17	5.00
22	33.35	-38.22	1.01	1.13	0.17	5.00
22	33.53	-35.89	1.43	1.12	0.15	5.00
22	33.49	-34.82	1.64	1.29	0.11	5.00
22	33.71	-32.34	1.42	1.30	-999	5.00
22	33.83	-31.81	1.13	1.27	0.09	5.00
22	33.97	-30.80	1.42	1.28	0.10	5.00
22	33.35	-29.47	1.52	1.18	0.10	5.00
22	32.58	-28.58	1.47	1.27	0.10	5.00
22	30.91	-26.83	1.76	1.03	0.08	5.00
22	30.81	-26.76	1.13	1.09	0.08	5.00
22	33.17	-25.50	4.77	1.63	0.93	5.00
22	33.76	-25.13	1.08	1.16	0.48	5.00
22	34.77	-23.10	1.28	1.31	1.07	5.00
22	35.42	-23.85	0.69	0.39	0.23	5.00
22	35.53	-23.98	4.19	1.01	0.77	5.00
22	37.65	-24.83	1.70	-999	0.63	5.00
22	37.69	-22.06	1.19	-999	0.89	5.00
22	37.69	-22.06	1.19	-999	0.89	5.00
22	37.85	-20.97	0.73	0.45	0.31	5.00
22	37.91	-18.26	0.91	1.17	0.76	5.00
22	37.87	-17.51	1.46	0.97	0.55	5.00
22	37.72	-15.14	1.23	1.36	0.96	5.00
22	37.65	-14.21	1.09	1.14	0.87	5.00
22	37.59	-13.48	1.73	1.31	0.96	5.00
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23	54.38	8.67	4.85	2.23	-999	-999
23	54.38	8.67	5.29	2.83	-999	-999
23	54.38	8.67	3.98	2.00	-999	-999
23	54.38	8.67	0.75	2.67	-999	-999
23	54.38	8.67	5.35	2.40	-999	-999
23	54.38	8.67	2.05	2.50	-999	-999
23	54.38	8.67	2.58	2.01	-999	-999
23	54.38	8.67	2.31	1.97	-999	-999
23	54.38	8.67	1.92	2.23	-999	-999
23	54.38	8.67	2.95	2.29	-999	-999
23	54.38	8.67	2.24	1.76	-999	-999
23	54.38	8.67	4.23	2.19	-999	-999
23	54.38	8.67	1.61	2.49	-999	-999
23	54.38	8.67	0.12	1.39	-999	-999
23	54.38	8.67	1.37	2.12	-999	-999
23	54.38	8.67	5.30	2.19	-999	-999
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24	54.92	8.30	1.58	1.37	-999	-999
24	54.92	8.30	1.47	1.32	-999	-999
24	54.92	8.30	3.76	2.20	-999	-999
24	54.92	8.30	1.38	1.28	-999	-999

24	54.92	8.30	0.19	1.42	-999	-999
24	54.92	8.30	2.60	2.20	-999	-999
24	54.92	8.30	2.59	2.05	-999	-999
24	54.92	8.30	2.47	2.07	-999	-999
24	54.92	8.30	2.69	2.12	-999	-999
24	54.92	8.30	2.43	2.14	-999	-999
24	54.92	8.30	1.35	0.82	-999	-999
24	54.92	8.30	1.94	1.96	-999	-999
24	54.92	8.30	2.11	1.69	-999	-999
24	54.92	8.30	1.54	2.44	-999	-999
24	54.92	8.30	2.60	1.85	-999	-999
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25	20.42	-18.00	1.76	1.35	-999	-999
25	20.00	-18.01	14.67	4.36	-999	-999
25	20.27	-17.22	4.58	5.16	-999	-999
25	18.00	-17.50	3.52	2.73	1.95	-999
25	18.00	-16.56	2.19	2.22	1.57	-999
25	18.05	-16.27	2.23	2.01	1.35	-999
25	18.52	-16.99	2.47	2.00	-999	-999
25	18.50	-17.27	2.27	1.74	1.11	-999
25	18.50	-17.48	1.73	1.37	0.94	-999
25	18.57	-17.50	1.34	1.73	1.25	-999
25	18.82	-17.50	1.91	2.14	0.94	-999
25	18.93	-18.08	2.01	1.94	1.28	-999
25	18.76	-18.25	2.02	1.82	1.59	-999
25	18.57	-18.43	1.86	1.95	1.90	-999
25	18.37	-18.64	2.01	1.74	1.91	-999
25	18.04	-18.96	1.89	1.56	1.97	-999.00
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26	-60.21	-56.14	2.10	2.90	-999	9.00
26	-61.13	-55.51	5.90	1.10	-999	9.00
26	-61.09	-55.57	1.30	0.40	-999	9.00
26	-63.81	-54.15	-999	1.20	-999	9.00
26	-62.58	-54.23	2.20	2.30	-999	9.00
26	-61.26	-54.17	-999	3.20	-999	9.00
26	-61.14	-54.21	1.90	-999	-999	9.00
26	-62.29	-55.56	3.50	-999	-999	9.00
26	-62.36	-56.01	4.10	-999	3.20	9.00
26	-62.42	-56.01	6.80	3.10	-999	9.00
26	-61.44	-57.54	6.20	3.00	-999	9.00
26	-61.29	-58.05	6.50	5.00	-999	9.00
26	-61.15	-58.16	2.20	4.70	-999	9.00
26	-61.24	-58.08	10.60	1.90	-999	9.00
26	-61.36	-58.00	3.50	7.20	-999	9.00
26	-63.00	-56.58	22.70	1.50	1.50	9.00
26	-61.45	-57.51	5.20	18.60	-999	9.00
26	-61.43	-57.53	37.40	4.50	-999	9.00
26	-60.20	-58.52	7.80	7.00	-999	9.00
26	-60.59	-58.27	3.80	8.60	-999	9.00

26	-61.17	-58.10	4.80	4.20	-999	9.00
26	-61.07	-58.21	4.20	2.50	-999	9.00
26	-61.33	-58.00	3.90	4.50	-999	9.00
26	-62.14	-57.34	13.00	5.40	-999	9.00
26	-62.13	-57.43	10.70	6.50	-999	9.00
26	-63.22	-56.57	10.90	1.40	-999	9.00
26	-62.46	-59.06	9.60	6.60	-999	9.00
26	-62.56	-59.00	7.70	2.90	-999	9.00
26	-63.26	-59.55	3.20	3.60	-999	9.00
26	-61.13	-60.00	-999	3.60	-999	9.00
26	-62.58	-60.13	3.70	2.90	-999	9.00
26	-62.49	-60.19	5.80	2.40	-999	9.00
26	-61.30	-63.10	-999	2.00	-999	9.00
26	-61.44	-63.32	2.10	1.30	-999	9.00
26	-63.10	-61.49	10.20	1.50	-999	9.00
26	-63.18	-61.33	4.20	2.40	2.00	9.00
26	-63.24	-61.25	9.40	1.40	-999	9.00
26	-64.45	-65.16	23.80	5.70	-999	9.00
26	-64.24	-65.59	5.30	2.80	-999	9.00
26	-63.12	-67.38	5.40	4.10	-999	9.00
26	-62.05	-65.06	5.10	-999	2.00	9.00
26	-61.51	-64.33	-999	3.30	-999	9.00
26	-61.57	-64.14	5.80	3.00	1.90	9.00
26	-66.49	-63.10	2.90	7.50	-999	9.00
26	-64.58	-63.25	4.70	5.00	2.40	9.00
26	-65.00	-63.51	4.70	3.90	-999	9.00
26	-65.03	-63.50	1.00	3.50	-999	9.00
26	-66.49	-69.09	2.70	2.40	1.20	9.00
26	-66.47	-69.16	-999	6.90	7.90	9.00
26	-63.30	-66.58	-999	1.80	-999	9.00
26	-64.28	-64.47	8.50	3.20	1.70	9.00
26	-64.42	-65.18	-999	4.20	2.30	9.00
26	-64.27	-68.17	4.40	4.10	2.90	9.00
26	-61.24	-68.25	-999	6.50	0.60	9.00
26	-66.16	-69.11	3.90	4.40	-999	9.00
26	-63.40	-63.38	2.90	3.90	2.80	9.00
26	-62.50	-60.24	-999	4.20	2.80	9.00
26	62.54	-61.02	-999	-999	1.00	9.00
26	-62.35	-59.13	1.30	2.90	-999	9.00
26	-62.51	-59.57	1.00	2.90	-999	9.00
26	-62.18	-58.39	4.60	0.90	-999	9.00
26	-63.28	-56.35	3.80	1.40	2.60	9.00
26	-62.38	-56.35	4.10	4.40	-999	9.00
26	-62.52	-56.55	15.90	5.40	3.60	9.00
26	-62.26	-56.28	3.40	4.10	2.00	9.00
26	-62.00	-56.00	-999	3.50	-999	9.00
26	-61.14	-54.54	4.20	6.20	3.30	9.00

26	-60.50	-55.34	3.90	4.20	1.30	9.00
26	-60.51	-55.46	1.40	0.30	-999	9.00
26	-60.57	-55.10	2.20	1.90	1.50	9.00
27	11.00	-59.05	-999	0.80	1.50	-999
27	11.00	-57.90	-999	0.70	2.70	-999
27	11.00	-56.01	-999	0.60	1.10	-999
27	10.81	-54.78	-999	0.70	2.60	-999
27	10.35	-52.91	-999	0.70	0.80	-999
27	10.20	-52.30	-999	0.70	1.60	-999
27	10.00	-51.12	-999	0.70	1.10	-999
27	10.00	-50.42	-999	0.80	0.60	-999
27	10.00	-49.10	-999	0.90	1.00	-999
27	10.00	-47.07	-999	0.70	1.20	-999
27	10.00	-46.04	-999	0.70	1.50	-999
27	10.00	-44.02	-999	0.70	0.90	-999
27	10.00	-42.97	-999	0.80	0.80	-999
27	10.00	-39.98	-999	0.80	3.00	-999
27	10.01	-39.00	-999	0.80	1.90	-999
27	10.00	-38.16	-999	0.80	1.90	-999
27	10.00	-37.39	-999	0.80	1.70	-999
27	10.00	-35.43	-999	0.90	0.70	-999
27	10.00	-34.47	-999	0.80	1.40	-999
27	10.00	-32.42	-999	0.90	1.00	-999
27	10.00	-31.46	-999	0.90	1.80	-999
27	10.00	-29.41	-999	1.10	0.90	-999
27	10.00	-28.83	-999	0.70	1.10	-999
27	10.00	-26.66	-999	0.90	3.60	-999
27	9.29	-26.61	-999	0.90	1.10	-999
27	8.40	-26.56	-999	0.80	4.20	-999
27	6.80	-26.45	-999	0.80	0.80	-999
27	6.44	-26.43	-999	0.70	0.70	-999
27	5.50	-26.36	-999	0.80	1.40	-999
27	4.58	-26.30	-999	0.80	0.90	-999
27	3.56	-26.23	-999	0.90	1.00	-999
27	2.68	-26.18	-999	1.00	1.20	-999
27	1.73	-26.11	-999	1.00	0.60	-999
27	0.61	-26.04	-999	0.90	1.40	-999
27	0.00	-26.00	-999	0.90	0.90	-999
27	0.00	-25.37	-999	1.00	1.20	-999
27	0.00	-24.77	-999	0.80	1.80	-999
27	0.00	-23.99	-999	0.90	6.10	-999
27	0.01	-23.50	-999	1.00	0.80	-999
27	0.00	-23.50	-999	0.80	0.70	-999
27	0.09	-23.50	-999	0.90	1.00	-999
27	1.07	-23.50	-999	1.00	4.20	-999
27	-999	-999	-999	1.00	1.50	-999
27	-999	-999	-999	0.90	1.50	-999

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27	4.43	-23.87	-999	0.80	0.80	-999
27	5.35	-24.04	-999	0.90	3.00	-999
27	6.50	-24.25	-999	0.80	1.20	-999
27	7.33	-24.41	-999	0.80	1.00	-999
27	8.42	-24.61	-999	0.80	0.60	-999
27	8.91	-24.70	-999	0.90	0.90	-999
27	9.72	-24.85	-999	1.10	1.70	-999
27	10.00	-24.91	-999	1.50	1.40	-999
27	10.52	-24.93	-999	1.40	1.40	-999
27	10.84	-23.99	-999	1.80	2.10	-999
27	11.00	-23.32	-999	1.30	1.20	-999
27	11.00	-22.48	-999	1.60	1.80	-999
27	11.00	-21.67	-999	1.40	1.70	-999
27	11.00	-20.88	-999	1.50	2.50	-999
27	11.03	-20.23	-999	1.50	3.20	-999
27	11.32	-19.32	-999	1.40	2.50	-999
27	11.52	-18.68	-999	1.30	1.00	-999
27	11.77	-18.02	-999	1.50	3.40	-999
27	11.65	-17.50	-999	1.40	1.10	-999
27	10.51	-16.97	-999	1.10	1.20	-999
27	10.93	-17.54	-999	1.20	2.40	-999
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27	11.02	-18.31	-999	1.50	1.70	-999
27	11.00	-18.83	-999	1.10	0.80	-999
27	11.00	-19.65	-999	1.80	1.10	-999
27	11.00	-19.75	-999	1.60	1.90	-999
27	11.04	-19.99	-999	1.20	1.00	-999
27	11.00	-20.42	-999	1.20	1.70	-999
27	10.78	-19.86	-999	1.50	1.30	-999
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27	8.97	-18.82	-999	1.10	1.40	-999
27	7.58	-17.67	-999	0.90	0.70	-999
27	6.38	-16.34	-999	0.90	8.10	-999
27	4.40	-11.16	-999	0.90	0.60	-999
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27	3.53	-4.97	-999	1.00	1.10	-999
27	3.57	-3.01	-999	1.00	3.60	-999
28	-0.90	-89.62	2.42	1.68	-999	-999
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28	-0.90	-89.62	4.02	2.06	-999	-999
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28	-0.90	-89.62	16.20	3.99	-999	-999
28	-0.90	-89.62	43.57	7.55	-999	-999

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28	-0.90	-89.62	-999	-999	1.14	-999
28	-0.90	-89.62	-999	-999	0.87	-999
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29	0.00	169.92	1.33	1.16	-999	-999
29	0.00	174.98	1.20	0.57	-999	-999
29	0.00	179.25	1.05	0.65	-999	-999
29	0.00	-175.68	1.66	0.89	-999	-999
29	0.00	-170.82	2.36	0.45	-999	-999
29	0.00	-164.83	2.96	0.64	-999	-999
29	0.00	-160.13	2.90	1.13	-999	-999
29	30.00	180.00	1.25	0.94	-999	-999
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30	-7.50	112.60	0.81	1.01	-999	-999
30	-7.50	112.60	0.73	0.97	-999	-999
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31	1.91	-157.49	22.50	3.01	-999	-999
31	1.91	-157.49	31.38	3.71	-999	-999
31	1.91	-157.49	8.26	2.20	-999	-999
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31	1.91	-157.49	25.48	3.58	-999	-999
31	1.91	-157.49	10.24	2.65	-999	-999
31	1.91	-157.49	20.50	3.28	-999	-999
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32	0.00	-179.17	2.96	1.99	-999	-999
32	0.00	174.97	2.47	1.92	-999	-999
32	0.00	166.19	0.82	1.25	-999	-999
32	0.00	161.48	0.86	2.00	-999	-999
32	-0.01	155.86	0.91	2.04	-999	-999
32	0.00	149.79	1.02	1.19	-999	-999
32	0.00	145.00	1.47	1.38	-999	-999
33	45.10	141.20	1.34	0.92	-999	-999
33	45.10	141.20	1.27	0.87	-999	-999
33	45.10	141.20	1.75	0.97	-999	-999
33	45.10	141.20	2.55	1.15	-999	-999
33	45.10	141.20	1.11	0.80	-999	-999
33	45.10	141.20	1.17	0.87	-999	-999
33	45.10	141.20	1.03	0.77	-999	-999
33	45.10	141.20	1.45	0.95	-999	-999
33	45.10	141.20	1.28	0.82	-999	-999
33	45.10	141.20	2.15	0.97	-999	-999
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33	45.10	141.20	4.08	0.99	-999	-999
33	45.10	141.20	2.07	1.06	-999	-999
33	45.10	141.20	4.93	1.71	-999	-999
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33	45.10	141.20	9.94	1.63	-999	-999
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33	45.10	141.20	1.61	0.98	-999	-999
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35	82.50	-62.50	-999	-999	0.13	-999
35	82.50	-62.50	-999	-999	0.18	-999
35	82.50	-62.50	-999	-999	0.11	-999
35	82.50	-62.50	-999	-999	0.37	-999
35	82.50	-62.50	-999	-999	0.10	-999
35	82.50	-62.50	-999	-999	0.09	-999
35	82.50	-62.50	-999	-999	0.21	-999
35	82.50	-62.50	-999	-999	0.19	-999
35	82.50	-62.50	-999	-999	0.28	-999
35	82.50	-62.50	-999	-999	0.29	-999
35	82.50	-62.50	-999	-999	0.43	-999
35	82.50	-62.50	-999	-999	0.35	-999
35	82.50	-62.50	-999	-999	0.45	-999
35	82.50	-62.50	-999	-999	0.49	-999
36	43.20	145.50	2.19	0.83	0.31	-999
36	43.20	145.50	2.18	0.96	0.38	-999
36	43.20	145.50	1.95	0.97	0.26	-999
36	43.20	145.50	2.14	0.87	0.31	-999
36	43.20	145.50	1.78	1.08	0.24	-999
36	43.20	145.50	1.36	0.97	0.20	-999
36	43.20	145.50	2.80	1.51	0.37	-999
36	43.20	145.50	4.09	2.03	0.81	-999
36	43.20	145.50	3.23	1.55	1.30	-999
36	43.20	145.50	3.41	1.50	0.92	-999
36	43.20	145.50	4.62	1.93	1.91	-999
36	43.20	145.50	7.02	2.76	2.40	-999
36	43.20	145.50	3.63	1.11	0.77	-999
36	43.20	145.50	2.21	0.84	0.51	-999
36	43.20	145.50	1.57	1.04	0.94	-999
36	43.20	145.50	2.78	1.24	1.23	-999
36	43.20	145.50	10.28	2.43	1.79	-999
36	43.20	145.50	8.80	2.13	1.79	-999
36	43.20	145.50	3.93	1.25	0.94	-999
36	43.20	145.50	2.34	0.99	1.14	-999
36	43.20	145.50	3.73	1.07	0.99	-999
36	43.20	145.50	3.66	1.13	0.42	-999
36	43.20	145.50	1.78	1.29	-999	-999

36	43.20	145.50	2.02	1.27	0.62	-999
36	43.20	145.50	-999	-999	0.37	-999
36	43.20	145.50	-999	-999	0.37	-999
36	43.20	145.50	-999	-999	0.31	-999
36	43.20	145.50	-999	-999	0.48	-999
36	43.20	145.50	-999	-999	0.37	-999
36	43.20	145.50	-999	-999	0.39	-999
36	43.20	145.50	-999	-999	0.21	-999
36	43.20	145.50	-999	-999	1.71	-999
36	43.20	145.50	-999	-999	0.48	-999
36	43.20	145.50	-999	-999	0.86	-999
36	43.20	145.50	-999	-999	1.42	-999
36	43.20	145.50	-999	-999	0.87	-999
36	43.20	145.50	-999	-999	0.79	-999
36	43.20	145.50	-999	-999	0.72	-999
36	43.20	145.50	-999	-999	3.66	-999
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36	43.20	145.50	-999	-999	1.75	-999
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36	43.20	145.50	-999	-999	0.53	-999
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36	43.20	145.50	-999	-999	0.56	-999
36	43.20	145.50	-999	-999	0.42	-999
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36	43.20	145.50	-999	-999	4.47	-999
36	43.20	145.50	-999	-999	0.46	-999
36	43.20	145.50	-999	-999	0.46	-999

37	25.50	140.33	1.43	1.31	-999	-999
37	21.77	141.60	0.81	0.92	-999	-999
37	14.22	144.08	0.52	0.63	-999	-999
37	7.11	147.63	1.23	1.02	-999	-999
37	0.75	150.97	0.45	0.62	-999	-999
37	-6.68	153.77	0.67	0.75	-999	-999
37	-14.48	154.52	1.28	1.14	-999	-999
37	-22.37	153.98	0.41	0.56	-999	-999
38	29.23	139.00	2.13	1.35	-999	-999
38	21.57	141.68	1.20	1.32	-999	-999
38	14.25	144.01	0.61	0.87	-999	-999
38	7.58	147.40	1.45	1.13	-999	-999
38	0.65	151.00	0.75	1.01	-999	-999
38	-6.77	153.78	1.25	1.26	-999	-999
38	-7.22	154.33	1.18	1.25	-999	-999
38	-8.87	154.49	1.83	1.18	-999	-999
39	29.40	138.95	2.53	1.44	-999	-999
39	22.07	141.48	0.40	0.93	-999	-999
39	14.72	143.93	1.08	1.10	-999	-999
39	7.85	147.25	1.68	1.26	-999	-999
39	1.07	150.67	1.85	1.28	-999	-999
39	-5.77	153.57	1.46	1.24	-999	-999
39	-6.53	153.55	1.80	1.47	-999	-999
39	-13.77	154.57	1.49	1.17	-999	-999
40	29.77	138.82	0.74	0.63	-999	-999
40	22.17	141.47	0.38	0.51	-999	-999
40	14.90	143.87	0.05	0.52	-999	-999
40	7.73	147.32	0.64	0.56	-999	-999
40	0.72	150.98	1.26	0.70	-999	-999
40	-6.95	153.82	1.29	0.75	-999	-999
40	-14.55	154.55	1.55	0.98	-999	-999
40	-22.27	153.93	2.26	0.93	-999	-999
41	29.97	138.93	0.30	0.65	-999	-999
41	22.68	141.82	0.20	0.59	-999	-999
41	16.55	146.18	1.03	0.96	-999	-999
41	9.33	147.35	1.25	1.10	-999	-999
41	2.03	150.60	1.14	1.30	-999	-999
41	-5.12	153.43	1.09	1.38	-999	-999
41	-12.08	154.70	0.66	1.12	-999	-999
41	-19.53	154.17	1.29	1.01	-999	-999
42	30.15	140.32	2.52	0.97	-999	-999
42	24.43	145.70	1.00	0.77	-999	-999
42	17.30	146.90	0.72	0.98	-999	-999
42	9.83	147.71	0.96	0.88	-999	-999
42	2.57	150.25	0.91	0.85	-999	-999
42	-4.32	153.27	0.93	0.83	-999	-999

43	28.88	139.38	1.41	1.30	-999	-999
43	22.27	141.95	1.17	1.08	-999	-999
43	15.37	144.50	0.17	0.95	-999	-999
43	9.17	147.68	0.96	0.92	-999	-999
43	-4.50	153.32	0.71	0.87	-999	-999
43	-11.83	154.48	0.80	0.91	-999	-999
43	-19.48	154.01	0.86	0.80	-999	-999
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44	-40.68	144.69	2.64	0.79	0.51	-999
44	-40.68	144.69	4.19	1.08	0.93	-999
44	-40.68	144.69	3.16	0.84	0.61	-999
44	-40.68	144.69	3.15	0.71	0.74	-999
44	-40.68	144.69	2.79	1.45	0.86	-999
44	-40.68	144.69	3.99	1.21	0.68	-999
44	-40.68	144.69	5.43	1.66	0.63	-999
44	-40.68	144.69	2.73	1.23	0.40	-999
44	-40.68	144.69	2.49	1.18	0.48	-999
44	-40.68	144.69	2.15	1.12	0.41	-999
44	-40.68	144.69	3.86	1.52	0.69	-999
44	-40.68	144.69	3.84	1.24	0.60	-999
44	-40.68	144.69	2.74	0.97	0.47	-999
44	-40.68	144.69	2.16	0.81	0.34	-999
44	-40.68	144.69	1.99	1.11	0.48	-999
44	-40.68	144.69	1.70	1.10	0.37	-999
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44	-40.68	144.69	2.12	1.00	0.29	-999
44	-40.68	144.69	1.55	1.01	0.27	-999
44	-40.68	144.69	2.06	0.90	0.20	-999
44	-40.68	144.69	3.25	1.09	0.14	-999
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44	-40.68	144.69	6.39	1.44	0.65	-999
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44	-40.68	144.69	-999	-999	0.36	-999
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44	-40.68	144.69	-999	-999	0.74	-999
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44	-40.68	144.69	-999	-999	0.58	-999
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44	-40.68	144.69	-999	-999	0.36	-999
44	-40.68	144.69	-999	-999	0.22	-999

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44	-40.68	144.69	-999	-999	0.30	-999
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44	-40.68	144.69	-999	-999	0.60	-999
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45	24.10	123.80	-999	-999	0.37	-999
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45	24.10	123.80	-999	-999	0.72	-999
45	24.10	123.80	-999	-999	1.22	-999
45	24.10	123.80	-999	-999	0.94	-999
45	24.10	123.80	-999	-999	0.90	-999
45	24.10	123.80	-999	-999	0.51	-999
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45	24.10	123.80	-999	-999	0.83	-999
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45	24.10	123.80	-999	-999	0.36	-999
45	24.10	123.80	-999	-999	0.84	-999
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45	24.10	123.80	-999	-999	0.85	-999
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46	40.43	156.57	-999	-999	0.30	-999
46	42.83	165.35	-999	-999	0.37	-999
46	45.10	174.33	-999	-999	0.58	-999
46	47.35	-176.35	-999	-999	0.31	-999
46	47.27	-166.75	-999	-999	0.43	-999
46	47.05	-156.62	-999	-999	0.41	-999
46	46.95	-148.12	-999	-999	0.50	-999
46	46.90	-139.10	-999	-999	0.31	-999
47	34.85	143.57	-999	-999	0.56	-999
47	33.46	159.99	-999	-999	0.48	-999
47	30.74	174.82	-999	-999	0.43	-999
47	30.77	-169.33	-999	-999	0.62	-999
47	30.77	-153.35	-999	-999	0.71	-999
47	27.84	-138.10	-999	-999	0.66	-999
47	24.04	-123.19	-999	-999	1.02	-999
47	20.27	-108.91	-999	-999	0.63	-999
48	34.17	142.13	-999	-999	0.44	-999
48	32.79	158.32	-999	-999	0.30	-999
48	31.58	174.48	-999	-999	0.32	-999
48	30.84	-169.12	-999	-999	0.32	-999
48	30.14	-153.35	-999	-999	0.59	-999
48	28.51	-138.32	-999	-999	0.38	-999
48	25.19	-123.96	-999	-999	0.52	-999
48	20.04	-109.89	-999	-999	0.51	-999
49	40.80	154.73	-999	-999	0.21	-999
49	42.47	162.63	-999	-999	0.24	-999
49	43.57	172.28	-999	-999	0.21	-999
49	44.55	-176.37	-999	-999	0.24	-999
49	45.56	-168.15	-999	-999	0.39	-999
49	46.62	-158.28	-999	-999	0.93	-999
49	47.40	-148.23	-999	-999	0.37	-999
49	47.46	-138.85	-999	-999	0.37	-999
50	36.52	151.60	-999	-999	0.35	-999
50	37.00	160.10	-999	-999	0.32	-999
50	37.00	168.44	-999	-999	0.47	-999
50	37.01	177.40	-999	-999	0.53	-999
50	37.01	-173.81	-999	-999	0.33	-999
50	36.98	-166.02	-999	-999	0.28	-999
50	37.00	-159.70	-999	-999	0.69	-999
50	37.49	-151.74	-999	-999	0.57	-999
51	39.98	148.68	-999	-999	0.30	-999
51	44.20	155.33	-999	-999	0.23	-999
51	48.20	163.27	-999	-999	0.26	-999
51	51.52	173.22	-999	-999	0.20	-999
51	53.30	-176.57	-999	-999	0.19	-999

51	54.37	-165.43	-999	-999	0.20	-999
51	53.60	-154.72	-999	-999	0.26	-999
51	52.10	-144.03	-999	-999	0.22	-999
52	36.07	149.24	-999	-999	0.39	-999
52	38.07	164.09	-999	-999	0.37	-999
52	37.31	179.98	-999	-999	-999	-999
52	35.40	-163.77	-999	-999	0.46	-999
52	33.05	-147.71	-999	-999	0.73	-999
52	29.66	-132.09	-999	-999	0.60	-999
52	24.49	-117.42	-999	-999	0.52	-999
52	17.91	-103.79	-999	-999	1.24	-999
53	34.97	142.84	-999	-999	1.03	-999
53	37.99	160.20	-999	-999	0.73	-999
53	37.92	177.52	-999	-999	0.49	-999
53	37.64	-165.19	-999	-999	0.90	-999
53	37.50	-147.50	-999	-999	0.38	-999
53	32.33	-132.73	-999	-999	1.45	-999
53	25.32	-118.75	-999	-999	1.39	-999
53	18.34	-105.30	-999	-999	0.98	-999
54	36.11	151.07	-999	-999	1.12	-999
54	37.30	159.76	-999	-999	0.85	-999
54	38.28	169.05	-999	-999	0.67	-999
54	39.34	177.50	-999	-999	0.31	-999
54	39.34	-172.48	-999	-999	0.50	-999
54	41.75	-163.78	-999	-999	0.80	-999
54	42.62	-156.36	-999	-999	0.60	-999
54	43.47	-147.23	-999	-999	0.22	-999
55	36.03	150.94	-999	-999	1.14	-999
55	37.22	159.79	-999	-999	0.90	-999
55	37.94	168.67	-999	-999	0.46	-999
55	39.63	176.50	-999	-999	0.53	-999
55	42.27	-175.62	-999	-999	0.20	-999
55	43.98	-166.51	-999	-999	0.60	-999
55	45.57	-158.87	-999	-999	1.03	-999
55	47.15	-151.31	-999	-999	0.61	-999
56	38.84	148.80	-999	-999	0.29	-999
56	42.26	155.88	-999	-999	0.38	-999
56	45.33	163.81	-999	-999	0.24	-999
56	43.52	171.75	-999	-999	0.25	-999
56	42.21	-179.95	-999	-999	0.22	-999
56	40.56	-171.10	-999	-999	0.28	-999
56	37.58	-163.44	-999	-999	0.34	-999
56	33.69	-156.24	-999	-999	0.24	-999
57	35.00	143.08	-999	-999	0.67	-999
57	38.08	159.73	-999	-999	0.27	-999
57	39.77	177.60	-999	-999	0.58	-999

57	40.70	-173.24	-999	-999	0.44	-999
57	41.58	-164.33	-999	-999	0.46	-999
57	42.52	-155.08	-999	-999	0.58	-999
57	43.45	-145.65	-999	-999	0.74	-999
57	44.54	-136.23	-999	-999	0.64	-999
58	53.98	171.93	-999	-999	0.44	-999
58	53.10	168.20	-999	-999	0.49	-999
58	51.85	164.98	-999	-999	1.51	-999
58	50.50	161.98	-999	-999	1.55	-999
58	49.03	159.07	-999	-999	0.52	-999
58	47.60	176.93	-999	-999	0.38	-999
58	45.95	153.73	-999	-999	0.44	-999
58	44.25	151.20	-999	-999	0.77	-999
59	34.97	142.84	-999	-999	1.03	-999
59	37.99	160.20	-999	-999	0.73	-999
59	37.92	177.52	-999	-999	0.49	-999
59	37.64	-165.19	-999	-999	0.90	-999
59	37.50	-147.50	-999	-999	0.38	-999
59	32.33	-132.73	-999	-999	1.45	-999
59	25.32	-118.75	-999	-999	1.39	-999
59	18.34	-105.30	-999	-999	0.98	-999
60	40.72	149.20	-999	-999	1.92	-999
60	44.58	157.08	-999	-999	1.10	-999
60	47.68	165.90	-999	-999	1.69	-999
60	48.57	176.32	-999	-999	2.09	-999
60	48.55	-173.65	-999	-999	0.57	-999
60	48.00	-164.62	-999	-999	0.61	-999
60	47.57	-154.57	-999	-999	-999	-999
60	47.67	-144.48	-999	-999	0.66	-999
61	38.90	150.53	-999	-999	0.69	-999
61	41.32	158.77	-999	-999	1.20	-999
61	44.00	167.92	-999	-999	1.39	-999
61	46.55	177.22	-999	-999	1.20	-999
61	48.75	-172.73	-999	-999	1.79	-999
61	49.97	-161.88	-999	-999	1.47	-999
61	50.13	-151.10	-999	-999	1.39	-999
61	49.40	-140.68	-999	-999	0.76	-999
62	36.37	150.13	-999	-999	0.75	-999
62	39.73	167.08	-999	-999	-999	-999
62	39.90	-174.40	-999	-999	0.39	-999
62	39.32	-156.67	-999	-999	0.28	-999
62	35.65	-149.02	-999	-999	0.61	-999
62	29.80	-124.98	-999	-999	0.74	-999
62	22.80	-111.42	-999	-999	1.13	-999
62	15.98	-98.37	-999	-999	1.00	-999
63	54.17	173.57	-999	-999	0.85	-999

63	53.53	169.05	-999	-999	0.70	-999
63	52.43	164.70	-999	-999	1.25	-999
63	51.23	160.78	-999	-999	2.07	-999
63	49.93	157.25	-999	-999	1.55	-999
63	48.23	153.95	-999	-999	1.34	-999
63	47.13	151.05	-999	-999	0.98	-999
63	44.22	148.07	-999	-999	1.41	-999
64	34.88	143.15	-999	-999	0.53	-999
64	36.88	160.57	-999	-999	0.69	-999
64	38.13	177.85	-999	-999	0.94	-999
64	37.50	-164.93	-999	-999	0.60	-999
64	36.17	-149.15	-999	-999	1.31	-999
64	33.10	-134.22	-999	-999	1.00	-999
64	27.42	-119.60	-999	-999	1.17	-999
64	19.62	-106.45	-999	-999	-999	-999
65	37.52	152.13	-999	-999	0.76	-999
65	39.55	160.90	-999	-999	0.81	-999
65	41.62	170.12	-999	-999	1.37	-999
65	43.72	179.38	-999	-999	1.18	-999
65	45.77	-171.23	-999	-999	0.79	-999
65	47.42	-161.45	-999	-999	0.83	-999
65	48.32	-151.15	-999	-999	1.12	-999
65	48.25	-140.42	-999	-999	1.13	-999
66	36.73	151.97	-999	-999	0.40	-999
66	38.02	168.90	-999	-999	0.46	-999
66	37.80	-173.63	-999	-999	0.54	-999
66	37.45	-156.75	-999	-999	0.57	-999
66	36.90	-139.65	-999	-999	0.64	-999
66	31.25	-124.02	-999	-999	0.84	-999
66	22.70	-111.02	-999	-999	1.05	-999
66	15.77	-97.82	-999	-999	0.52	-999
67	37.97	147.68	-999	-999	0.64	-999
67	40.48	155.15	-999	-999	0.54	-999
67	42.88	164.48	-999	-999	0.65	-999
67	45.55	173.43	-999	-999	0.53	-999
67	47.60	176.45	-999	-999	0.34	-999
67	47.45	-165.37	-999	-999	0.46	-999
67	48.57	-157.67	-999	-999	0.82	-999
67	47.83	-150.27	-999	-999	1.11	-999
68	52.83	171.03	-999	-999	0.45	-999
68	51.83	166.90	-999	-999	0.59	-999
68	50.68	163.03	-999	-999	0.51	-999
68	49.32	159.13	-999	-999	0.80	-999
68	47.87	155.52	-999	-999	0.70	-999
68	46.33	152.15	-999	-999	0.82	-999
68	44.42	148.45	-999	-999	0.79	-999

68	42.65	145.18	-999	-999	0.63	-999
69	35.82	150.63	-999	-999	0.78	-999
69	36.83	167.23	-999	-999	0.58	-999
69	35.85	-176.57	-999	-999	0.71	-999
69	35.83	-160.40	-999	-999	0.59	-999
69	33.48	-143.72	-999	-999	0.84	-999
69	31.13	-127.58	-999	-999	1.08	-999
69	24.10	-113.62	-999	-999	0.74	-999
69	16.48	-100.54	-999	-999	1.18	-999
70	37.51	162.58	-999	-999	0.59	-999
70	38.97	170.83	-999	-999	0.56	-999
70	39.02	178.42	-999	-999	0.61	-999
70	37.22	-173.73	-999	-999	0.72	-999
70	36.22	-165.47	-999	-999	0.54	-999
70	35.32	-156.97	-999	-999	0.61	-999
70	34.48	-149.42	-999	-999	0.63	-999
70	33.13	-141.48	-999	-999	0.57	-999
71	36.33	150.28	-999	-999	0.56	-999
71	38.00	167.17	-999	-999	0.83	-999
71	38.02	-174.88	-999	-999	0.62	-999
71	38.00	-157.50	-999	-999	1.27	-999
71	37.12	-141.42	-999	-999	0.62	-999
72	54.32	175.05	-999	-999	0.51	-999
72	53.82	170.35	-999	-999	0.50	-999
72	53.25	166.35	-999	-999	0.43	-999
72	52.35	161.57	-999	-999	0.60	-999
72	50.83	158.23	-999	-999	0.67	-999
72	48.70	155.12	-999	-999	0.68	-999
72	44.87	149.72	-999	-999	0.70	-999
72	43.43	146.63	-999	-999	0.84	-999
73	33.45	150.95	-999	-999	0.48	-999
73	31.82	167.15	-999	-999	0.52	-999
73	29.77	-177.35	-999	-999	0.56	-999
73	28.28	-162.00	-999	-999	0.96	-999
73	27.57	-146.43	-999	-999	0.84	-999
73	27.82	-131.17	-999	-999	0.74	-999
73	23.05	-117.47	-999	-999	0.80	-999
73	17.85	-103.65	-999	-999	1.65	-999
74	34.27	158.43	-999	-999	0.58	-999
74	34.58	166.45	-999	-999	0.53	-999
74	34.60	174.58	-999	-999	0.55	-999
74	35.43	-177.75	-999	-999	0.40	-999
74	37.38	-169.67	-999	-999	0.36	-999
74	39.33	-161.65	-999	-999	0.30	-999
74	40.63	-153.43	-999	-999	0.48	-999
74	40.92	-144.97	-999	-999	0.41	-999

Table S5. Metadata information of the corresponding datasets listed in Table S4 sorted for the identifier.

Identifier	Metadata	
1	Platform type and name	Ship, Meteor
	Expedition name	M55
	Cruise start date (UTC)	10/12/2002
	EXPOCODE	06M320021012
	Dataset creator	Elliot Atlas
	PI contact details	Elliot Atlas, RSMAS, eatlas@rsmas.miami.edu
	Data set origin	Hostdata centre: http://www-gte.larc.nasa.gov/trace/TP_dat_alt.htm (Download: March 2010)
	Relevant publications	Quack, B., Atlas, E., Petrick, G., Stroud, V., Schauffler, S. and Wallace, D.W.R. (2004), Oceanic bromoform sources for the tropical atmosphere, Geophysiscal Research Letters, Vol. 31, L23S05, doi:10.1029/2004GL020597
	Sampling technique	Stainless steel canisters
	Analysis and detection technique	GC/MS (SIM), Schauffler, S. M., E. L. Atlas, D. R. Blake, F. Flocke, R. A. Lueb, J. M. Lee-Taylor, V. Stroud, and W. Travnicek (1999), Distributions of brominated organic compounds in the troposphere and lower stratosphere, J. Geophys. Res., 104, 21,513– 21,535.
	Calibration technique	AED (atmospheric standard)
	Standard referred to	RSMAS scale

2	Platform type and name	Ship, Polarstern
	Expedition name	BLAST 2 (Bremerhaven-Punta Arenas: 18.10.-21.11.1994)
	Cruise start date (UTC)	10/18/1994
	EXPOCODE	06AQ19941018
	Dataset creator	Juergen. M. Lobert
	PI contact details	James H. Butler, NOAA, James.H.Butler@noaa.gov
	Data set origin	Host data centre: ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%20 1994-2004/ (Download: March 2010)
	Relevant publications	1) Butler, J.H., King, D.B., Lobert, J.M., Montzka, S.A., Yvon-Lewis, S.A., Hall, B.D., Warwick, N.J., Mondeel, D.J., Aydin, M. and Elkins, J.W., Oceanic distributions and emissions of short-lived halocarbons, Global Biochemical Cycles, Vol. 21, GB1023 (2006) 2)ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%201994-2004/Message%20to%20potential%20users%20of%20these%20data%20(31%20Aug%202005).pdf
	Sampling technique	equilibrator (trapping of gases from equilibrated seawater and air on adsorbents)
	Analysis and detection technique	Gas chromatography / mass spectrometer (GC/MS) (HCFC-22, CFC-12, CH3Cl, CFC-114, Halon-1211, CH3Br, CFC-11, CH3I, Isoprene, CFC-113, CH2Cl2, CH2BrCl, CHCl3, CH3CCl3, C6H6, CCl4, C2HCl3, CH2Br2, CH2ICl, C7H8, CHBr2Cl, C2Cl4, CHBr3, CH2I2)
	Calibration technique	Gas standard, ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%201994-2004/Message%20to%20potential%20users%20of%20these%20data%20(31%20Aug%202005).pdf
	Standard referred to	NOAA scale

3	Platform type and name	Ship, Nathaniel B. Palmer
	Expedition name	BLAST 3 (McMurdo, Antarctica-Punta Arenas: 22.02.-07.04.1996)
	Cruise start date (UTC)	2/22/1996
	EXPOCODE	320619960222
	Dataset creator	Juergen M. Lobert
	PI contact details	James H. Butler, NOAA, James.H.Butler@noaa.gov
	Data set origin	Host data centre: ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%201994-2004/ (Download: March 2010)
	Relevant publications	Butler, J.H., King, D.B., Lobert, J.M., Montzka, S.A., Yvon-Lewis, S.A., Hall, B.D., Warwick, N.J., Mondeel, D.J., Aydin, M. and Elkins, J.W., Oceanic distributions and emissions of short-lived halocarbons, Global Biochemical Cycles, Vol. 21, GB1023 (2006)
	Sampling technique	equilibrator (trapping of gases from equilibrated seawater and air on adsorbents)
	Analysis and detection technique	Gas chromatography / mass spectrometer (GC/MS) (HCFC-22, CFC-12, CH3Cl, CFC-114, Halon-1211, CH3Br, CFC-11, CH3I, Isoprene, CFC-113, CH2Cl2, CH2BrCl, CHCl3, CH3CCl3, C6H6, CCl4, C2HCl3, CH2Br2, CH2ICl, C7H8, CHBr2Cl, C2Cl4, CHBr3, CH2I2)
	Calibration technique	Gas standard, ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%201994-2004/Message%20to%20potential%20users%20of%20these%20data%20(31%20Aug%202005).pdf
	Standard referred to	NOAA scale
4	Platform type and name	Ship, Aurora Australis
	Cruise start date (UTC)	10/29/2001
	EXPOCODE	09AR20011029
	Dataset creator	Daniel B. King
	PI contact details	James H. Butler, NOAA, James.H.Butler@noaa.gov
	Data set origin	Host data centre: ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%201994-2004/ (Download: March 2010)
	Relevant publications	1) Butler, J.H., King, D.B., Lobert, J.M., Montzka, S.A., Yvon-Lewis, S.A., Hall, B.D., Warwick, N.J., Mondeel, D.J., Aydin, M. and Elkins, J.W., Oceanic distributions and emissions of short-lived halocarbons, Global Biochemical Cycles, Vol. 21, GB1023 (2006)

	Relevant publications	2)ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%201994-2004/Message%20to%20potential%20users%20of%20these%20data%20(31%20Aug%202005).pdf
	Sampling technique	equilibrator (trapping of gases from equilibrated seawater and air on adsorbents)
	Analysis and detection technique	Gas chromatography / mass spectrometer (GC/MS) (HCFC-22, CFC-12, CH3Cl, CFC-114, Halon-1211, CH3Br, CFC-11, CH3I, Isoprene, CFC-113, CH2Cl2, CH2BrCl, CHCl3, CH3CCl3, C6H6, CCl4, C2HCl3, CH2Br2, CH2ICl, C7H8, CHBr2Cl, C2Cl4, CHBr3, CH2I2)
	Calibration technique	Gas standard, ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%201994-2004/Message%20to%20potential%20users%20of%20these%20data%20(31%20Aug%202005).pdf
	Standard referred to	NOAA scale
5	Platform type and name	Ship, NOAA Ship Ronald H. Brown
	Expedition name	Gas Ex 98 (Miami-Newport, North Atlantic and Northeast Pacific, 07.05.1998-27.07.1998)
	Cruise start date (UTC)	5/7/1998 0:00
	EXPOCODE	33RO19980507
	Dataset creator	Daniel B. King
	PI contact details	James H. Butler, NOAA, James.H.Butler@noaa.gov
	Data set origin	Host data centre: ftp://ftp.cmdl.noaa.gov/hats/ocean/gasex_98 (Download: March 2010)
	Relevant publications	1) Butler, J.H., King, D.B., Lobert, J.M., Montzka, S.A., Yvon-Lewis, S.A., Hall, B.D., Warwick, N.J., Mondeel, D.J., Aydin, M. and Elkins, J.W., Oceanic distributions and emissions of short-lived halocarbons, Global Biochemical Cycles, Vol. 21, GB1023 (2006) 2) ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%201994-2004/Message%20to%20potential%20users%20of%20these%20data%20(31%20Aug%202005).pdf
	Sampling technique	equilibrator (trapping of gases from equilibrated seawater and air on adsorbents)
	Analysis and detection technique	Gas chromatography / mass spectrometer (GC/MS) (HCFC-22, CFC-12, CH3Cl, CFC-114, Halon-1211, CH3Br, CFC-11, CH3I, Isoprene, CFC-113, CH2Cl2, CH2BrCl, CHCl3, CH3CCl3, C6H6, CCl4, C2HCl3, CH2Br2, CH2ICl, C7H8, CHBr2Cl, C2Cl4, CHBr3, CH2I2)
	Calibration technique	Gas standard, ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%201994-2004/Message%20to%20potential%20users%20of%20these%20data%20(31%20Aug%202005).pdf
	Standard referred to	NOAA scale

6	<p>Platform type and name</p> <p>Expedition name</p> <p>Cruise start date (UTC)</p> <p>EXPOCODE</p> <p>Dataset creator</p> <p>PI contact details</p> <p>Data set origin</p> <p>Relevant publications</p> <p>Sampling technique</p> <p>Analysis and detection technique</p> <p>Calibration technique</p> <p>Standard referred to</p>	<p>Ship, R/V Wecoma</p> <p>Phase 1-04 (Guam-Newport, 22.05.2004-02.07.2004)</p> <p>5/22/2004 0:00</p> <p>32WC20040522</p> <p>Daniel B. King</p> <p>James H. Butler, NOAA, James.H.Butler@noaa.gov</p> <p>Host data centre: ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%201994-2004/ (Download: March 2010)</p> <p>1) Butler, J.H., King, D.B., Lobert, J.M., Montzka, S.A., Yvon-Lewis, S.A., Hall, B.D., Warwick, N.J., Mondeel, D.J., Aydin, M. and Elkins, J.W., Oceanic distributions and emissions of short-lived halocarbons, Global Biochemical Cycles, Vol. 21, GB1023 (2006)</p> <p>2) ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%201994-2004/Message%20to%20potential%20users%20of%20these%20data%20(31%20Aug%202005).pdf</p> <p>equilibrator (trapping of gases from equilibrated seawater and air on adsorbents)</p> <p>Gas chromatography / mass spectrometer (GC/MS) (HCFC-22, CFC-12, CH₃Cl, CFC-114, Halon-1211, CH₃Br, CFC-11, CH₃I, Isoprene, CFC-113, CH₂Cl₂, CH₂BrCl, CHCl₃, CH₃CCl₃, C₆H₆, CCl₄, C₂HCl₃, CH₂Br₂, CH₂ICl, C₇H₈, CHBr₂Cl, C₂Cl₄, CHBr₃, CH₂I₂)</p> <p>Gas standard, ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%201994-2004/Message%20to%20potential%20users%20of%20these%20data%20(31%20Aug%202005).pdf</p> <p>NOAA scale</p>
7	<p>Platform type and name</p> <p>Expedition name</p> <p>Cruise start date (UTC)</p> <p>EXPOCODE</p> <p>Dataset creator</p> <p>PI contact details</p> <p>Data set origin</p> <p>Relevant publications</p>	<p>Ship, NOAA Ship Ronald H. Brown</p> <p>RB-99-06 (BACPAC 99) (Kwajalein, Marshall Islands- Seattle, Washington, North Pacific, 14.09.1999-23.10.1999)</p> <p>9/14/1999 0:00</p> <p>33RO19990914</p> <p>Daniel B. King</p> <p>James H. Butler, NOAA, James.H.Butler@noaa.gov</p> <p>Host data centre: ftp://ftp.cmdl.noaa.gov/hats/ocean/ (Download: March 2010)</p> <p>1) Butler, J.H., King, D.B., Lobert, J.M., Montzka, S.A., Yvon-Lewis, S.A., Hall, B.D., Warwick, N.J., Mondeel, D.J., Aydin, M. and Elkins, J.W., Oceanic distributions and emissions of short-lived halocarbons, Global Biochemical Cycles, Vol. 21, GB1023 (2006)</p>

	Relevant publications	2) ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%201994-2004/Message%20to%20potential%20users%20of%20these%20data%20(31%20Aug%202005).pdf
	Sampling technique	equilibrator (trapping of gases from equilibrated seawater and air on adsorbents)
	Analysis and detection technique	Gas chromatography / mass spectrometer (GC/MS) (HCFC-22, CFC-12, CH ₃ Cl, CFC-114, Halon-1211, CH ₃ Br, CFC-11, CH ₃ I, Isoprene, CFC-113, CH ₂ Cl ₂ , CH ₂ BrCl, CHCl ₃ , CH ₃ CCl ₃ , C ₆ H ₆ , CCl ₄ , C ₂ HCl ₃ , CH ₂ Br ₂ , CH ₂ ICl, C ₇ H ₈ , CHBr ₂ Cl, C ₂ Cl ₄ , CHBr ₃ , CH ₂ I ₂)
	Calibration technique	Gas standard, ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%201994-2004/Message%20to%20potential%20users%20of%20these%20data%20(31%20Aug%202005).pdf
	Standard referred to	NOAA scale
8	Platform type and name	Ship, Meteor
	Expedition name	M55
	Cruise start date (UTC)	10/12/2002 0:00
	EXPOCODE	06M320021012
	Dataset creator	James Butler
	PI contact details	James Butler, NOAA, james.h.butler@noaa.gov
	Data set origin	Mail submission: Birgit Quack, bquack@geomar.de, 08.2010
9	Platform type and name	Ship, RHaMBLe cruise (RRS Discovery cruise 319)
	Cruise start date (UTC)	5/20/2007 0:00
	EXPOCODE	74DI20070520
	Dataset creator	Charlotte Jones
	PI contact details	Lucy Carpenter, Department of Chemistry, University of York, ljc4@york.ac.uk
	Data set origin	Host data centre: BODC (http://www.bodc.ac.uk/projects/uk/uksolas/data_inventories/cruise/d319/) Mail submission: Charlotte Jones, cej103@york.ac.uk, 10/2010
	Relevant publications	Jones, CE et al. Quantifying the contribution of marine organic gases to atmospheric iodine, Geophys Res Lett, 3, L18804, 2010; Carpenter, LJ et al. Air-sea fluxes of biogenic bromine from the tropical and North Atlantic Ocean, Atmos. Chem. Phys., 9, 5, 1805-1816, 2009
	Sampling technique	air pump/pre-concentration and purge and trap
	Analysis and detection technique	GC/MS
	Calibration technique	permeation oven / in-house halocarbon standard
	Standard referred to	in house (Wevill & Carpenter, 2004)

10	Platform type and name	Ship, Marine Aerosol Production (MAP) cruise
	Cruise start date (UTC)	6/11/2006 0:00
	Dataset creator	Charlotte Jones
	PI contact details	Lucy Carpenter, Department of Chemistry, University of York, email ljc4@york.ac.uk
	Data set origin	Mail submission: Charlotte Jones, cej103@york.ac.uk, 10/2010
	Relevant publications	Carpenter, L. J., Jones, C. E., Dunk, R. M., Hornsby, K. E. and Woeltjen, J.: Air-sea fluxes of biogenic bromine from the tropical and North Atlantic Ocean, Atmos. Chem. Phys., 9, 5, 1805-1816, 2009
	Sampling technique	air pump/pre-concentration and purge and trap
	Analysis and detection technique	GC/MS
	Calibration technique	permeation oven / in-house halocarbon standard
11	Standard referred to	In house (Wevill & Carpenter, 2004)
	Platform type and name	Ship, Tangaroa
	Platform name	Tangaroa
	Cruise start date (UTC)	11/21/2010
	EXPOCODE	61TG20101121
	Dataset creator	Neil Harris / Andrew Robinson
	PI contact details	Neil Harris, Univ. of Cambridge, Neil.Harris@ozone-sec.ch.cam.ac.uk
	Sampling technique	GC-ECD (Dirac)
	Calibration technique	NOAA-ERSL calibration scale
12	Platform type and name	Ship, R/V Poseidon
	Expedition name	DRIVE
	EXPOCODE	06PO20100531 / 06PO20100619
	Dataset creator	Elliot Atlas (air)
	PI contact details	Elliot Atlas, RSMAS, eatlas@rsmas.miami.edu
	Data set origin	Mail submission: 18.08.2011, hhepach@ifm-geomar.de, Pangaea
	Sampling technique	Air canister
	Analysis and detection technique	GC/MS (SIM), Schauffler, S. M., E. L. Atlas, D. R. Blake, F. Flocke, R. A. Lueb, J. M. Lee-Taylor, V. Stroud, and W. Travnicek (1999), Distributions of brominated organic compounds in the troposphere and lower stratosphere, J. Geophys. Res., 104, 21,513– 21,535.
	Calibration technique	AED (atmospheric standard), NOAA scale

13	Platform type and name	Ship, R/V Alkor
	Expedition name	Field Study 2 (Fjord-Experiment, Kiel Bight and R/V Alkor)
	Cruise start date (UTC)	3/23/1992
	EXPOCODE	06A619920323
	Dataset creator	Birgit Quack
	PI contact details	Birgit Quack, GEOMAR, bquack@geomar.de
	Data set origin	Mail submission: B. Quack, bquack@geomar.de, 08/2010
	Relevant publications	Quack, B., Volatile halogenated hydrocarbons in the marine atmosphere: Inventory, sources and mass balances over North Sea and Baltic, Ph.D. thesis, GEOMAR, Univ. Kiel, Kiel, Germany, 1994.
	Sampling technique	adsorbtion tubes
	Analysis and detection technique	analysis with thermo desorption GC-ECD
14	Calibration technique	liquid standards
	Platform type and name	Ship, R/V Alkor
	Expedition name	Field study 3 (Baltic, R/V Alkor)
	Cruise start date (UTC)	6/30/1992 11:00
	Dataset creator	Birgit Quack
	PI contact details	Birgit Quack, GEOMAR, bquack@geomar.de
	Data set origin	Mail submission: B. Quack, bquack@geomar.de, 08/2010
	Relevant publications	Quack, B., Volatile halogenated hydrocarbons in the marine atmosphere: Inventory, sources and mass balances over North Sea and Baltic, Ph.D. thesis, GEOMAR, Univ. Kiel, Kiel, Germany, 1994.
	Sampling technique	adsorbtion tubes
	Analysis and detection technique	analysis with thermo desorption GC-ECD
15	Calibration technique	liquid standards
	Platform name	Ship R/V Alkor
	Expedition name	Field study 4 (R/V Alkor: Baltic and North Sea)
	Cruise start date (UTC)	3/25/1991 18:36
	EXPOCODE	06A619910325
	Dataset creator	Birgit Quack
	PI contact details	Birgit Quack, GEOMAR, bquack@geomar.de
	Data set origin	Mail submission: B. Quack, bquack@geomar.de, 08/2010

	Relevant publications	Quack, B., Volatile halogenated hydrocarbons in the marine atmosphere: Inventory, sources and mass balances over North Sea and Baltic, Ph.D. thesis, GEOMAR, Univ. Kiel, Kiel, Germany, 1994.
	Sampling technique	adsorbtion tubes
	Analysis and detection technique	analysis with thermo desorption GC-ECD
	Calibration technique	liquid standards
16	Platform type	Ship, R/V Alkor
	Expedition name	Field Study 5 (North Sea Experiment): Central North Sea (R/V Alkor)
	Cruise start date (UTC)	9/16/1991 21:30
	EXPOCODE	06A619910916
	Dataset creator	Birgit Quack
	PI contact details	Birgit Quack, GEOMAR, bquack@geomar.de
	Data set origin	Mail submission: B. Quack, bquack@geomar.de, 08/2010
	Relevant publications	Quack, B., Volatile halogenated hydrocarbons in the marine atmosphere: Inventory, sources and mass balances over North Sea and Baltic, Ph.D. thesis, GEOMAR, Univ. Kiel, Kiel, Germany, 1994.
	Sampling technique	adsorbtion tubes
	Analysis and detection technique	analysis with thermo desorption GC-ECD
	Calibration technique	liquid standards
17	Platform type and name	Ship, R/V Belgica
	Expedition name	Field Study 5 (North Sea Experiment): Central North Sea (R/V Belgica)
	Cruise start date (UTC)	9/16/1991 20:40
	EXPOCODE	11BE19910916
	Dataset creator	Birgit Quack
	PI contact details	Birgit Quack, GEOMAR, bquack@geomar.de
	Data set origin	Mail submission: B. Quack, bquack@geomar.de, 08/2010

	Relevant publications	Quack, B., Volatile halogenated hydrocarbons in the marine atmosphere: Inventory, sources and mass balances over North Sea and Baltic, Ph.D. thesis, GEOMAR, Univ. Kiel, Kiel, Germany, 1994.
	Sampling technique	adsorbtion tubes
	Analysis and detection technique	analysis with thermo desorption GC-ECD
	Calibration technique	liquid standards
18	Platform type and name	Platform, Research Platform North Sea
	Expedition name	Field Study 5 (North Sea Experiment): Research Platform North Sea
	Cruise start date (UTC)	9/16/1991 0:00
	Dataset creator	Birgit Quack
	PI contact details	Birgit Quack, GEOMAR, bquack@geomar.de
	Data set origin	Mail submission: B. Quack, bquack@geomar.de, 08/2010
	Relevant publications	Quack, B., Volatile halogenated hydrocarbons in the marine atmosphere: Inventory, sources and mass balances over North Sea and Baltic, Ph.D. thesis, GEOMAR, Univ. Kiel, Kiel, Germany, 1994.
	Mail submission	B. Quack, bquack@geomar.de, 08/2010
	Sampling technique	adsorbtion tubes
	Analysis and detection technique	analysis with thermo desorption GC-ECD
	Calibration technique	liquid standards
19	Platform type and name	Coastal Observations, Schweinebucht, Hörnum, Basaltbogen, List, Westerland, Nordostseite (Sylt, Germany)
	Expedition name	Field study 6 (Coast of eastern North Sea: Island Sylt)
	Cruise start date (UTC)	6/4/1991 9:00
	Dataset creator	Birgit Quack
	PI contact details	Birgit Quack, GEOMAR, bquack@geomar.de
	Data set origin	Mail submission: B. Quack, bquack@geomar.de, 08/2010

	Relevant publications	Quack, B., Volatile halogenated hydrocarbons in the marine atmosphere: Inventory, sources and mass balances over North Sea and Baltic, Ph.D. thesis, GEOMAR, Univ. Kiel, Kiel, Germany, 1994.
	Sampling technique	adsorbtion tubes
	Analysis and detection technique	analysis with thermo desorption GC-ECD
	Calibration technique	liquid standards
20	Platform type and name	Coastal Observations, Gothenborg, Gothenborg Harbour, Särö-Peninsula
	Expedition name	Field Study 7 (Swedish West Coast)
	Cruise start date (UTC)	7/16/1991 8:00
	Dataset creator	Birgit Quack
	PI contact details	Birgit Quack, GEOMAR, bquack@geomar.de
	Data set origin	Mail submission: B. Quack, bquack@geomar.de, 08/2010
	Relevant publications	Quack, B., Volatile halogenated hydrocarbons in the marine atmosphere: Inventory, sources and mass balances over North Sea and Baltic, Ph.D. thesis, GEOMAR, Univ. Kiel, Kiel, Germany, 1994.
	Sampling technique	adsorbtion tubes
	Analysis and detection technique	analysis with thermo desorption GC-ECD
	Calibration technique	liquid standards
21	Platform type and name	Ship, Oden (Ice - Breaker)
	Expedition name	Field study 8 (Arctic Ocean)
	Cruise start date (UTC)	8/4/1991 21:48
	EXPOCODE	77DN19910804
	Dataset creator	Birgit Quack
	PI contact details	Birgit Quack, GEOMAR, bquack@geomar.de
	Data set origin	Mail submission: B. Quack, bquack@geomar.de, 08/2010

	Relevant publications	Quack, B., Volatile halogenated hydrocarbons in the marine atmosphere: Inventory, sources and mass balances over North Sea and Baltic, Ph.D. thesis, GEOMAR, Univ. Kiel, Kiel, Germany, 1994.
	Sampling technique	adsorbtion tubes
	Analysis and detection technique	analysis with thermo desorption GC-ECD
	Calibration technique	liquid standards
22	Platform type and name	ship, Meteor
	Expedition name	M60_5 (Fort-de-France - Lisbon, 09.03.-15.04.2004)
	Cruise start date (UTC)	3/9/2004
	Dataset creator	Birgit Quack
	PI contact details	Birgit Quack, GEOMAR, bquack@geomar.de
	Data set origin	Mail submission: B. Quack, bquack@geomar.de, 08/2010
	Sampling technique	air: online from bow on cooled (-70°C) glas beads
	Analysis and detection technique	GC/MS (SIM), air: thermal desorption off adsorbent
	Calibration technique	liquid standard (volumetrically prepared in methanol)
23	Platform type and name	Coastal Observation, Westerhever (Germany)
	Expedition name	Nordsee-Experiment (NOSE) (East Coast of North Sea (Westerhever Wadden Sea))
	Cruise start date (UTC)	9/16/1991 18:10
	Dataset creator	Birgit Quack
	PI contact details	Birgit Quack, GEOMAR, bquack@geomar.de
	Data set origin	Mail submission: B. Quack, bquack@geomar.de, 08/2010
	Relevant publications	Quack, B., Volatile halogenated hydrocarbons in the marine atmosphere: Inventory, sources and mass balances over North Sea and Baltic, Ph.D. thesis, GEOMAR, Univ. Kiel, Kiel, Germany, 1994.
	Sampling technique	adsorbtion tubes
	Analysis and detection technique	analysis with thermo desorption GC-ECD
	Calibration technique	liquid standards

24	Platform type and name	Coastal Observation, Westerland (Sylt, Germany)
	Expedition name	Nordsee-Experiment (NOSE) (East Coast of North Sea (Island Sylt))
	Cruise start date (UTC)	9/16/1991 9:45
	Dataset creator	Birgit Quack
	PI contact details	Birgit Quack, GEOMAR, bquack@geomar.de
	Data set origin	Mail submission: B. Quack, bquack@geomar.de, 08/2010
	Relevant publications	Quack, B., Volatile halogenated hydrocarbons in the marine atmosphere: Inventory, sources and mass balances over North Sea and Baltic, Ph.D. thesis, GEOMAR, Univ. Kiel, Kiel, Germany, 1994.
	Sampling technique	adsorbtion tubes
	Analysis and detection technique	analysis with thermo desorption GC-ECD
25	Calibration technique	liquid standards
	Platform type and name	Ship, Poseidon
	Expedition name	P320_1 (Las Palmas - Mindelo, 21.03.2005-07.04.2005)
	Cruise start date (UTC)	3/21/2005 0:00
	EXPOCODE	06PO20050321
	Dataset creator	Birgit Quack
	PI contact details	Elliot Atlas , RSMAS, eatlas@rsmas.miami.edu
	Data set origin	Mail submission: B. Quack, bquack@geomar.de, 08/2010
	Relevant publications	1) Quack, B., Peeken, I., Petrick, G., and Nachtigall, K. (2007), Oceanic distribution and sources of bromoform and dibromomethane in the Mauritanian upwelling, J. Geophys. Res., 112, C10006, doi:10.1029/2006JC003803 2) Quack, B., E. Atlas, G. Petrick, and D. W. R. Wallace (2007), Bromoform and dibromomethane above the Mauritanian upwelling: Atmospheric distributions and oceanic emissions, J. Geophys. Res., 112, D09312, doi:10.1029/2006JD007614

	Sampling technique	stainless steel air canisters
	Analysis and detection technique	GC/MS (SIM), Schauffler, S. M., E. L. Atlas, D. R. Blake, F. Flocke, R. A. Lueb, J. M. Lee-Taylor, V. Stroud, and W. Travnicek (1999), Distributions of brominated organic compounds in the troposphere and lower stratosphere, J. Geophys. Res., 104, 21,513– 21,535.
	Calibration technique	AED (atmospheric standard)
	Standard referred to	RSMAS scale
26	Platform type and name	Ship, F.S. Polarstern
	Expedition name	ANT VI/2
	Cruise start date (UTC)	10/26/1987
	EXPOCODE	06AQ19871026
	Dataset creator	Werner Reifenhäuser
	PI contact details	W. Reifenhäuser, Bayrisches Staatsministerium fuer Umwelt und Gesundheit, Werner.Reifenhaeuser@stmug.bayern.de
	Relevant publications	Gaschromatische Bestimmung halogenierter Kohlenwasserstoffe in der antarktischen Atmosphäre, in südpolaren Gewässern sowie in anthropogen belasteter Luft, Dissertation von 1989
	Analysis and detection technique	gaschromatographical separation technique
	Calibration technique	weighing out the halocarbons in ethylenglycol . Calibration filled in glas bulbs and closed with Teflon adapter

27	Platform type and name	Ship, Meteor
	Expedition name	M55
	Cruise start date (UTC)	10/12/2002 0:00
	EXPOCODE	06M320021012
	Dataset creator	Jonathan Williams
	PI contact details	Jonathan Williams, Max Planck Institut für Chemie, Mainz, williams@mpch-mainz.mpg.de
28	Platform type and name	Coastal Observations, San Cristóbal Island, Galápagos Islands, Ecuador
	Cruise start date (UTC)	2/28/2002
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
29	Standard referred to	Gravimetrically prepared standard gas
	Platform type and name	Ship, R/V Mirai (MR02 - K06)
	Cruise start date (UTC)	1/14/2003 23:41
	EXPOCODE	49NZ20030114
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas

30	Platform type and name	Coastal Observations, Java Island (Indonesia)
	Cruise start date (UTC)	1/17/2003 7:30
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
31	Standard referred to	Gravimetrically prepared standard gas
	Platform type and name	Coastal Observations, Christmas Island (Australia)
	Cruise start date (UTC)	1/21/2003 0:37
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
32	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
	Platform type and name	Ship, R/V Mirai (MR02-K01)
	Cruise start date (UTC)	2/24/2002 23:57
	EXPOCODE	49NZ20020224
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010

	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311, 2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
33	Platform type and name	Coastal Observations, Rishiri Island (Japan)
	Cruise start date (UTC)	9/14/2003 5:30
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi, yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311, 2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
34	Platform type and name	Coastal Observations, Syowa Station (Antarctica)
	Cruise start date (UTC)	2/22/2004 16:32
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi, yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311, 2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas

35	Platform type and name	Coastal Observations, Alert (Canada)
	Platform name	Alert, Canada
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	1/3/2003 16:19
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
36	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
	Platform type and name	Coastal Observations, Cape Ochiishi (Japan)
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	1/22/2003 4:13
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas

37	Platform type and name	Ship, Fuji Transworld
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	2/15/2003 15:25
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
38	Standard referred to	Gravimetrically prepared standard gas
	Platform type and name	Ship, Fuji Transworld
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	3/29/2003 2:42
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
39	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
	Platform type and name	Ship, Fuji Transworld
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	5/10/2003 2:44
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010

	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311, 2008, 10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
40	Platform type and name	Ship, Fuji Transworld
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	6/21/2003 2:51
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi, yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311, 2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
41	Platform type and name	Ship, Fuji Transworld
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	8/2/2003 2:38
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi, yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311, 2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas

42	Platform type and name	Ship, Fuji Transworld
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	10/24/2003 4:00
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
43	Standard referred to	Gravimetrically prepared standard gas
	Platform type and name	Ship, Fuji Transworld
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	12/4/2003 4:40
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
44	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
	Platform type and name	Coastal Observations, Cape Grim, Australia
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	1/14/2003 5:52
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010

	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311, 2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
45	Platform type and name	Coastal Observations, Hateruma Island, Japan
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	1/5/2003 7:15
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi, yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311, 2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
46	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	1/9/2003 1:00
	EXPOCODE	49P120030109
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi, yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311, 2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas

47	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	1/13/2005 3:00
	EXPOCODE	49P120050113
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Analysis and detection technique	Preconcentration/GC-MS
48	Standard referred to	Gravimetrically prepared standard gas
	Platform type and name	Ship. M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	1/20/2004 3:00
	EXPOCODE	49P120040120
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
49	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	2/10/2003 2:00
	EXPOCODE	49P120030210
	Dataset creator	Yoko Yokouchi

	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
50	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	3/10/2005 2:00
	EXPOCODE	49P120050310
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
51	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	3/14/2003 3:00
	EXPOCODE	49P120030314
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861

	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
52	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	3/20/2004 3:00
	EXPOCODE	49P120040320
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
53	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	4/21/2005 3:00
	EXPOCODE	49P120050421
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas

54	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	4/26/2003 1:50
	EXPOCODE	49P120030426
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
55	Standard referred to	Gravimetrically prepared standard gas
	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	5/14/2004 2:00
	EXPOCODE	49P120040514
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas

56	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	5/24/2003 2:49
	EXPOCODE	49P120030524
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
57	Standard referred to	Gravimetrically prepared standard gas
	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	5/24/2005 3:00
	EXPOCODE	49P120050524
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas

58	Platform type and name	Ship, M/S Skaubryn
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	6/5/2005 12:19
	EXPOCODE	58SK20050605
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
59	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	6/22/2005 3:00
	EXPOCODE	49P120050622
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas

60	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	6/25/2004 2:00
	EXPOCODE	49P120040625
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
61	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	7/19/2003 2:00
	EXPOCODE	49P120030719
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas

62	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	7/26/2004 2:00
	EXPOCODE	49P120040726
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
63	Standard referred to	Gravimetrically prepared standard gas
	Platform type and name	Ship, M/S Skaubryn
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	7/27/2005 12:07
	EXPOCODE	58SK20050727
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS

	Standard referred to	Gravimetrically prepared standard gas
64	Platform type and name	Ship, M/S Pyxis
	Platform name	M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	8/21/2005 3:00
	EXPOCODE	49P120050821
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
65	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	8/24/2003 2:00
	EXPOCODE	49P120030824
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas

66	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	9/19/2004 3:00
	EXPOCODE	49P120040919
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
67	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	9/24/2003 2:00
	EXPOCODE	49P120030924
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas

68	Platform type and name	Ship, M/S Skaubryn
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	9/26/2005 0:09
	EXPOCODE	58SK20050926
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
69	Standard referred to	Gravimetrically prepared standard gas
	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	10/17/2005 2:00
	EXPOCODE	49P120051017
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas

70	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	10/28/2003 1:00
	EXPOCODE	49P120031028
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas
71	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	11/14/2004 2:00
	EXPOCODE	49P120041114
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas

72	Platform type and name	Ship, M/S Skaubryn
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	11/15/2005 12:07
	EXPOCODE	58SK20051115
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
73	Standard referred to	Gravimetrically prepared standard gas
	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	12/15/2005 2:00
	EXPOCODE	49P120051215
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas

74	Platform type and name	Ship, M/S Pyxis
	Expedition name	NIES Global Halocarbon Monitoring Project
	Cruise start date (UTC)	12/20/2003 2:00
	EXPOCODE	49P120031220
	Dataset creator	Yoko Yokouchi
	PI contact details	Yoko Yokouchi, NIES, yokouchi@nies.go.jp
	Data set origin	Mail submission: Yoko Yokouchi,yokouchi@nies.go.jp, March 2010
	Relevant publications	1) J. Geophys. Res., 110, D23309, 2005, doi:10.1029/2005JD006303 2) J. Geophys. Res., 113, D18311,2008, doi:10.1029/2008JD009861
	Sampling technique	Canister
	Analysis and detection technique	Preconcentration/GC-MS
	Standard referred to	Gravimetrically prepared standard gas