

Supplement: Oceanic Concentration Data

In the following are listed all used oceanic concentration data (Table S6) 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 in Table S7.

Table S6: Oceanic concentration of CHBr_3 , CH_2Br_2 and CH_3I data in pmol L^{-1} from the HalOcAt database project including sample depth in meter, latitude in $^{\circ}\text{N}$, longitude in $^{\circ}\text{E}$ and an identifier. Based on the identifier metadata information to the corresponding dataset is available (Table S7).

Identifier	Latitude [$^{\circ}\text{N}$]	Longitude [$^{\circ}\text{E}$]	CHBr_3 [pmol L^{-1}]	CH_2Br_2 [pmol L^{-1}]	CH_3I [pmol L^{-1}]	Sample Depth [m]
1	-62.77	3.63	1.70	4.65	1.57	4.00
1	-62.50	3.86	2.80	4.11	2.17	4.00
1	-62.25	4.09	2.70	4.50	1.93	4.00
1	-62.02	4.26	3.60	4.59	1.22	4.00
1	-61.76	4.43	7.20	5.69	0.79	4.00
1	-61.51	4.64	6.50	5.74	1.02	4.00
1	-61.26	4.77	4.40	5.44	0.90	4.00
1	-61.02	4.87	3.20	5.66	1.09	4.00
1	-60.77	4.96	3.30	5.53	1.10	4.00
1	-60.53	4.99	3.00	5.09	2.33	4.00
1	-60.27	5.00	2.20	5.19	2.00	4.00
1	-60.02	5.00	2.80	5.41	1.76	4.00
1	-59.77	5.00	2.80	5.56	1.99	4.00
1	-59.51	4.99	2.60	5.28	2.08	4.00
1	-59.26	5.00	2.20	5.31	2.00	4.00
1	-59.01	5.00	2.90	5.40	1.92	4.00
1	-58.76	5.03	2.50	5.02	1.89	4.00
1	-58.52	5.08	4.50	5.27	2.00	4.00
1	-58.26	4.99	2.30	4.96	2.04	4.00
1	-58.03	4.99	3.10	5.06	1.59	4.00
1	-57.76	5.00	2.40	4.41	1.30	4.00
1	-57.52	5.00	1.90	4.56	1.39	4.00
1	-57.26	5.01	1.90	4.51	1.39	4.00
1	-57.01	5.00	2.40	4.71	0.98	4.00
1	-56.77	5.01	3.20	4.86	1.30	4.00
1	-56.51	5.02	3.00	4.97	1.03	4.00
1	-56.27	5.02	2.20	0.78	0.91	4.00
1	-56.03	5.01	2.90	5.01	1.34	4.00
1	-55.76	5.00	11.60	6.12	0.85	4.00
1	-55.52	5.00	10.10	5.56	0.80	4.00
1	-55.26	5.00	12.30	5.90	0.80	4.00
1	-55.02	5.00	11.60	5.45	1.04	4.00
1	-54.77	5.00	12.80	5.59	0.80	4.00
1	-54.51	5.00	10.40	5.41	1.88	4.00

1	-54.26	5.00	11.30	5.80	0.82	4.00
1	-54.02	5.00	11.20	6.08	1.07	4.00
1	-53.77	5.00	13.60	5.49	1.06	4.00
1	-53.52	5.00	10.10	5.40	0.92	4.00
1	-53.27	4.99	9.10	5.67	1.11	4.00
1	-53.01	5.00	9.00	5.51	1.49	4.00
1	-52.76	5.00	3.20	5.17	1.57	4.00
1	-52.52	5.11	3.60	5.10	1.48	4.00
1	-52.27	5.32	3.30	5.10	1.57	4.00
1	-52.01	5.55	3.70	4.60	1.57	4.00
1	-51.85	5.68	3.60	4.64	1.48	4.00
1	-51.52	5.94	0.60	4.53	1.54	4.00
1	-51.27	6.14	1.00	4.31	1.56	4.00
1	-51.01	6.36	0.80	4.16	1.42	4.00
1	-50.77	6.56	1.30	4.28	1.56	4.00
1	-50.54	6.76	1.20	3.93	1.50	4.00
1	-50.26	6.97	0.40	4.21	1.91	4.00
1	-50.02	7.16	0.80	3.99	1.74	4.00
1	-49.77	7.37	0.80	4.27	1.88	4.00
1	-49.53	7.56	1.00	4.21	1.82	4.00
1	-49.28	7.75	-999	4.05	1.72	4.00
1	-49.03	7.95	2.00	4.39	1.74	4.00
1	-48.78	8.16	0.90	5.18	2.72	4.00
1	-48.52	8.35	-999	-999	-999	4.00
1	-48.26	8.56	-999	-999	-999	4.00
1	-48.02	8.74	-999	3.14	1.78	4.00
1	-47.77	8.92	4.50	4.19	1.72	4.00
1	-47.53	9.10	3.20	3.70	1.50	4.00
1	-47.27	9.29	1.90	2.36	1.63	4.00
1	-47.03	9.49	0.30	4.09	1.82	4.00
1	-46.76	9.70	0.80	4.35	1.62	4.00
1	-46.52	9.89	1.80	4.28	1.82	4.00
1	-46.26	10.08	1.20	3.48	1.87	4.00
1	-46.02	10.25	0.60	3.68	1.70	4.00
1	-45.77	10.43	0.60	3.95	1.84	4.00
1	-45.52	10.60	1.40	3.82	2.04	4.00
1	-45.26	10.78	1.50	3.44	2.07	4.00
1	-45.03	10.94	1.30	2.97	2.41	4.00
1	-44.76	11.14	1.80	4.42	2.29	4.00
1	-44.52	11.32	2.00	4.01	2.49	4.00
1	-44.26	11.50	6.20	5.49	1.93	4.00
1	-44.03	11.67	6.80	4.44	2.10	4.00
1	-43.89	11.78	6.50	5.19	2.49	4.00
1	-43.52	12.05	12.30	5.80	3.09	4.00
1	-43.26	12.22	4.00	4.28	6.61	4.00
1	-43.01	12.39	2.80	4.58	7.48	4.00
1	-43.10	12.00	2.83	-999	-999	4.00

1	-43.30	11.60	4.06	-999	-999	4.00
1	-43.60	11.20	12.20	-999	-999	4.00
1	-44.30	10.80	6.15	-999	-999	4.00
1	-44.50	10.40	1.98	-999	-999	4.00
1	-45.00	10.00	1.26	-999	-999	4.00
1	-45.50	9.60	1.35	-999	-999	4.00
1	-46.00	9.20	0.59	-999	-999	4.00
1	-46.30	8.80	1.17	-999	-999	4.00
1	-46.50	8.40	1.79	-999	-999	4.00
1	-46.80	8.00	0.76	-999	-999	4.00
1	-47.10	7.60	0.35	-999	-999	4.00
1	-47.50	7.20	3.18	-999	-999	4.00
1	-47.80	6.80	4.49	-999	-999	4.00
1	-49.10	6.40	1.95	-999	-999	4.00
1	-48.80	6.00	0.87	-999	-999	4.00
1	-49.60	5.60	0.96	-999	-999	4.00
1	-50.30	5.20	0.37	-999	-999	4.00
1	-50.60	4.80	1.21	-999	-999	4.00
1	-51.50	4.40	0.62	-999	-999	4.00
1	-51.90	4.00	3.53	-999	-999	4.00
1	-52.30	4.00	3.31	-999	-999	4.00
1	-53.10	4.00	8.95	-999	-999	4.00
1	-53.80	4.00	13.50	-999	-999	4.00
1	-53.50	4.00	10.00	-999	-999	4.00
1	-54.10	4.00	11.20	-999	-999	4.00
1	-54.50	4.00	10.40	-999	-999	4.00
1	-54.80	4.00	12.80	-999	-999	4.00
1	-55.10	4.00	11.50	-999	-999	4.00
1	-55.30	4.00	12.30	-999	-999	4.00
1	-55.60	4.00	10.00	-999	-999	4.00
1	-55.80	4.00	11.60	-999	-999	4.00
1	-56.10	4.00	2.92	-999	-999	4.00
1	-56.30	4.00	2.27	-999	-999	4.00
1	-56.50	4.00	3.00	-999	-999	4.00
1	-56.80	4.00	3.24	-999	-999	4.00
1	-57.00	4.00	2.36	-999	-999	4.00
1	-57.30	4.00	1.91	-999	-999	4.00
1	-57.50	4.00	1.91	-999	-999	4.00
1	-57.80	4.00	2.34	-999	-999	4.00
1	-58.60	4.00	4.46	-999	-999	4.00
1	-58.30	4.00	2.35	-999	-999	4.00
1	-59.00	4.00	2.86	-999	-999	4.00
1	-60.20	4.00	2.23	-999	-999	4.00
1	-61.00	4.00	3.16	-999	-999	4.00
1	-61.80	3.70	7.23	-999	-999	4.00
1	-61.30	3.40	4.43	-999	-999	4.00
1	-62.00	3.10	3.56	-999	-999	4.00

1	-62.30	2.80	2.73	-999	-999	4.00
1	-62.80	-4.00	1.67	-999	-999	4.00
2	50.25	-4.22	-999	-999	7.70	1.00
2	50.25	-4.22	-999	-999	9.50	10.00
2	50.25	-4.22	-999	-999	10.90	1.00
2	50.25	-4.22	-999	-999	9.90	10.00
2	50.25	-4.22	-999	-999	9.80	1.00
2	50.25	-4.22	-999	-999	9.30	10.00
2	50.25	-4.22	-999	-999	14.40	0.25
2	50.25	-4.22	-999	-999	11.40	1.00
2	50.25	-4.22	-999	-999	10.60	10.00
2	50.25	-4.22	-999	-999	8.00	1.00
2	50.25	-4.22	-999	-999	9.60	10.00
2	50.25	-4.22	-999	-999	19.50	0.25
2	50.25	-4.22	-999	-999	14.60	1.00
2	50.25	-4.22	-999	-999	16.50	10.00
2	50.25	-4.22	-999	-999	9.50	1.00
2	50.25	-4.22	-999	-999	11.10	10.00
2	50.25	-4.22	-999	-999	8.60	1.00
2	50.25	-4.22	-999	-999	9.30	10.00
2	50.25	-4.22	-999	-999	7.40	0.25
2	50.25	-4.22	-999	-999	8.00	1.00
2	50.25	-4.22	-999	-999	7.20	10.00
2	50.25	-4.22	-999	-999	9.80	1.00
2	50.25	-4.22	-999	-999	8.90	10.00
2	50.25	-4.22	-999	-999	10.90	1.00
2	50.25	-4.22	-999	-999	6.60	10.00
2	50.25	-4.22	-999	-999	10.60	1.00
2	50.25	-4.22	-999	-999	6.90	10.00
2	50.25	-4.22	-999	-999	4.00	0.25
2	50.25	-4.22	-999	-999	4.60	1.00
2	50.25	-4.22	-999	-999	5.00	10.00
2	50.25	-4.22	-999	-999	5.30	1.00
2	50.25	-4.22	-999	-999	4.90	1.00
2	50.25	-4.22	-999	-999	4.90	1.00
2	50.25	-4.22	-999	-999	2.70	1.00
2	50.25	-4.22	-999	-999	1.30	1.00
2	50.25	-4.22	-999	-999	1.50	1.00
2	50.25	-4.22	-999	-999	0.70	10.00
2	50.25	-4.22	-999	-999	1.80	1.00
2	50.25	-4.22	-999	-999	2.10	10.00
2	50.25	-4.22	-999	-999	1.00	1.00
2	50.25	-4.22	-999	-999	2.80	10.00
2	50.25	-4.22	-999	-999	2.00	1.00
2	50.25	-4.22	-999	-999	1.70	1.00
2	50.25	-4.22	-999	-999	2.70	10.00
2	50.25	-4.22	-999	-999	8.00	1.00

2	50.25	-4.22	-999	-999	2.70	10.00
2	50.25	-4.22	-999	-999	3.50	1.00
2	50.25	-4.22	-999	-999	3.10	1.00
2	50.25	-4.22	-999	-999	1.80	1.00
2	50.25	-4.22	-999	-999	4.10	10.00
2	50.25	-4.22	-999	-999	4.50	1.00
2	50.25	-4.22	-999	-999	4.10	10.00
2	50.25	-4.22	-999	-999	4.30	1.00
2	50.25	-4.22	-999	-999	4.30	10.00
2	50.25	-4.22	-999	-999	4.40	1.00
2	50.25	-4.22	-999	-999	4.90	10.00
2	50.25	-4.22	-999	-999	5.70	10.00
2	50.25	-4.22	-999	-999	5.90	1.00
2	50.25	-4.22	-999	-999	5.50	10.00
2	50.25	-4.22	-999	-999	8.10	1.00
2	50.25	-4.22	-999	-999	5.10	10.00
2	50.25	-4.22	-999	-999	11.80	1.00
2	50.25	-4.22	-999	-999	7.50	10.00
2	50.25	-4.22	-999	-999	10.80	1.00
2	50.25	-4.22	-999	-999	7.90	10.00
2	50.25	-4.22	-999	-999	7.80	1.00
2	50.25	-4.22	-999	-999	7.20	10.00
2	50.25	-4.22	-999	-999	7.10	1.00
2	50.25	-4.22	-999	-999	10.50	10.00
2	50.25	-4.22	-999	-999	10.90	1.00
2	50.25	-4.22	-999	-999	7.60	10.00
2	50.25	-4.22	-999	-999	8.40	1.00
2	50.25	-4.22	-999	-999	10.50	10.00
2	50.25	-4.22	-999	-999	7.60	1.00
2	50.25	-4.22	-999	-999	4.20	10.00
2	50.25	-4.22	-999	-999	5.80	1.00
2	50.25	-4.22	-999	-999	4.60	10.00
2	50.25	-4.22	-999	-999	6.20	1.00
2	50.25	-4.22	-999	-999	11.30	10.00
2	50.25	-4.22	-999	-999	8.10	1.00
2	50.25	-4.22	-999	-999	7.00	10.00
2	50.25	-4.22	-999	-999	7.50	1.00
2	50.25	-4.22	-999	-999	9.30	10.00
2	50.25	-4.22	-999	-999	8.00	1.00
2	50.25	-4.22	-999	-999	9.20	10.00
2	50.25	-4.22	-999	-999	7.40	1.00
2	50.25	-4.22	-999	-999	11.70	10.00
2	50.25	-4.22	-999	-999	7.10	1.00
2	50.25	-4.22	-999	-999	57.80	10.00
2	50.25	-4.22	-999	-999	12.80	1.00
2	50.25	-4.22	-999	-999	11.40	10.00
2	50.25	-4.22	-999	-999	11.60	1.00

2	50.25	-4.22	-999	-999	12.80	10.00
2	50.25	-4.22	-999	-999	12.90	1.00
2	50.25	-4.22	-999	-999	9.80	10.00
2	50.25	-4.22	-999	-999	9.10	1.00
2	50.25	-4.22	-999	-999	5.80	10.00
2	50.25	-4.22	-999	-999	7.00	1.00
2	50.25	-4.22	-999	-999	6.10	10.00
2	50.25	-4.22	-999	-999	5.60	1.00
2	50.25	-4.22	-999	-999	3.80	10.00
2	50.25	-4.22	-999	-999	3.80	1.00
2	50.25	-4.22	-999	-999	2.30	10.00
2	50.25	-4.22	-999	-999	2.50	1.00
2	50.25	-4.22	-999	-999	3.10	10.00
2	50.25	-4.22	-999	-999	6.40	1.00
2	50.25	-4.22	-999	-999	2.20	10.00
2	50.25	-4.22	-999	-999	2.40	1.00
2	50.25	-4.22	-999	-999	0.60	10.00
2	50.25	-4.22	-999	-999	3.40	2.00
2	50.25	-4.22	-999	-999	0.70	10.00
2	50.25	-4.22	-999	-999	2.30	1.00
2	50.25	-4.22	-999	-999	2.20	10.00
2	50.25	-4.22	-999	-999	2.20	2.00
2	50.25	-4.22	-999	-999	2.40	10.00
2	50.25	-4.22	-999	-999	3.50	1.00
2	50.25	-4.22	-999	-999	2.70	2.00
2	50.25	-4.22	-999	-999	3.00	10.00
2	50.25	-4.22	-999	-999	2.50	2.00
2	50.25	-4.22	-999	-999	4.00	10.00
2	50.25	-4.22	-999	-999	6.80	2.00
3	58.88	3.05	13.60	-999	29.00	9.40
3	58.85	3.25	9.90	4.10	23.60	8.70
3	58.83	3.21	9.20	-999	19.60	4.20
3	58.83	3.21	11.00	2.30	14.40	9.30
3	58.78	3.30	5.80	4.80	22.50	4.30
3	58.78	3.30	7.40	5.40	19.40	9.10
3	58.71	3.41	8.60	-999	22.00	4.10
3	58.71	3.41	12.00	4.50	20.40	8.90
3	58.61	3.51	7.80	3.80	24.30	4.30
3	58.61	3.51	10.10	5.20	17.20	9.20
3	58.55	3.45	8.50	3.90	30.40	5.00
3	58.55	3.45	8.10	3.70	27.50	10.00
3	58.51	3.51	8.20	-999	21.10	4.10
3	58.51	3.51	6.60	1.80	15.10	9.00
3	58.43	3.50	7.20	-999	25.60	2.90
3	58.43	3.50	9.50	2.80	21.30	7.90
3	58.41	3.41	5.80	0.00	18.70	3.80
3	58.41	3.41	8.20	0.00	13.30	8.90

3	58.34	3.48	7.50	0.00	18.90	4.30
3	58.34	3.48	8.00	2.60	15.70	7.50
3	58.29	3.52	6.30	0.00	12.90	4.40
3	58.29	3.52	7.40	0.00	27.40	9.20
3	58.26	3.49	8.40	0.00	17.80	1.20
3	58.26	3.49	8.30	2.20	13.00	5.70
4	45.09	-128.78	-999	-999	-999	-999
4	44.21	-129.72	-999	-999	-999	-999
4	44.20	-129.75	-999	-999	5.28	-999
4	44.16	-129.75	-999	-999	-999	-999
4	44.21	-129.63	-999	-999	4.07	-999
4	44.24	-129.61	-999	-999	3.95	-999
4	44.30	-129.59	4.58	0.91	3.93	-999
4	44.03	-129.32	4.46	1.15	2.88	-999
4	43.61	-128.93	4.39	1.47	4.01	-999
4	43.17	-128.54	4.20	1.76	3.51	-999
4	42.75	-128.15	3.94	1.75	2.34	-999
4	42.33	-127.76	4.50	1.27	2.93	-999
4	41.92	-127.38	4.16	2.90	3.07	-999
4	41.49	-127.02	4.96	1.94	2.99	-999
4	41.08	-126.64	4.80	1.35	2.84	-999
4	40.57	-126.17	4.08	1.17	3.71	-999
4	40.28	-125.93	3.44	1.14	4.23	-999
4	39.85	-125.55	3.36	0.46	4.45	-999
4	39.57	-125.29	3.06	0.68	4.39	-999
4	39.12	-125.00	2.93	-999	-999	-999
4	38.84	-124.74	3.62	1.65	4.44	-999
4	38.49	-124.26	5.47	0.94	3.27	-999
4	38.31	-123.89	8.96	2.08	4.14	-999
4	38.06	-123.33	10.30	2.35	4.10	-999
4	37.89	-122.97	12.83	1.24	3.89	-999
4	37.22	-123.11	15.68	0.83	3.60	-999
4	36.88	-123.19	12.08	1.21	3.58	-999
4	36.38	-123.33	7.55	1.22	6.32	-999
4	36.38	-123.33	7.55	1.41	6.32	-999
4	36.03	-123.39	6.63	2.09	5.55	-999
4	35.52	-123.30	5.70	2.89	5.87	-999
4	35.17	-123.22	5.36	2.58	4.72	-999
4	34.65	-123.13	3.66	2.31	6.85	-999
4	34.32	-123.07	3.24	2.47	6.98	-999
4	33.81	-122.97	3.16	2.24	6.66	-999
4	33.38	-122.88	4.85	2.31	7.79	-999
4	32.86	-122.77	3.51	2.59	6.85	-999
4	31.08	-122.45	3.57	2.36	7.79	-999
4	30.71	-122.38	3.58	2.23	8.39	-999
4	30.25	-122.30	3.46	1.99	7.25	-999
4	29.94	-122.23	3.76	2.07	5.67	-999

4	29.51	-122.15	2.92	1.75	7.86	-999
4	29.20	-122.10	2.62	1.88	8.06	-999
4	28.77	-121.95	2.88	1.90	10.32	-999
4	28.47	-121.84	2.65	2.12	10.98	-999
4	28.03	-121.70	2.83	2.07	10.90	-999
4	27.73	-121.59	2.92	1.96	10.86	-999
4	27.29	-121.44	2.63	2.03	11.17	-999
4	26.99	-121.32	2.36	1.78	7.38	-999
4	26.55	-121.18	2.53	1.93	7.75	-999
4	26.12	-121.03	2.94	2.09	8.11	-999
4	25.68	-120.88	2.41	1.82	7.47	-999
4	25.38	-120.78	2.73	1.91	7.08	-999
4	24.95	-120.63	2.61	1.95	7.46	-999
4	24.63	-120.51	2.49	1.78	5.10	-999
4	24.19	-120.37	3.13	1.59	4.80	-999
4	23.86	-120.27	2.93	1.99	4.99	-999
4	23.41	-120.12	3.22	1.94	4.62	-999
4	23.09	-120.01	3.20	1.89	6.39	-999
4	22.64	-119.86	3.07	1.81	6.21	-999
4	22.32	-119.76	2.93	1.81	5.36	-999
4	21.88	-119.62	3.07	1.83	5.09	-999
4	21.57	-119.51	2.77	1.57	5.53	-999
4	21.13	-119.37	2.20	1.72	5.16	-999
4	20.82	-119.27	2.10	1.43	5.02	-999
4	19.04	-118.68	2.19	1.60	4.58	-999
4	18.72	-118.58	2.34	1.42	4.53	-999
4	18.28	-118.44	2.73	1.63	4.15	-999
4	17.97	-118.34	2.31	1.34	4.91	-999
4	17.53	-118.20	2.40	1.60	3.33	-999
4	17.21	-118.13	2.50	1.49	3.16	-999
4	16.80	-117.97	2.44	1.51	3.40	-999
4	16.49	-117.88	2.11	1.24	3.76	-999
4	16.05	-117.75	2.52	1.35	3.30	-999
4	15.79	-117.60	3.96	2.00	4.02	-999
4	15.39	-117.40	4.91	2.85	3.88	-999
4	15.10	-117.27	5.12	2.32	3.86	-999
4	14.71	-117.08	5.11	2.07	4.73	-999
4	14.30	-116.86	4.03	1.75	5.82	-999
4	13.89	-116.66	5.87	1.80	5.93	-999
4	13.60	-116.52	5.15	2.18	4.81	-999
4	12.67	-116.08	5.98	2.16	3.07	-999
4	12.38	-115.93	5.07	2.25	2.70	-999
4	11.97	-115.73	4.61	2.08	3.29	-999
4	11.68	-115.59	4.48	2.12	2.72	-999
4	11.27	-115.39	5.27	2.72	2.36	-999
4	10.97	-115.25	4.03	2.25	2.15	-999
4	10.55	-115.05	5.23	2.56	2.35	-999

4	10.26	-114.91	5.18	2.78	3.37	-999
4	9.85	-114.71	6.47	3.21	3.06	-999
4	9.14	-114.36	3.69	2.36	3.29	-999
4	8.62	-114.11	3.20	1.77	3.12	-999
4	8.33	-113.97	2.95	1.52	3.19	-999
4	7.92	-113.78	3.15	1.66	3.80	-999
4	7.63	-113.63	2.83	1.54	3.49	-999
4	7.20	-113.43	2.77	1.45	3.57	-999
4	6.90	-113.32	2.82	1.43	3.72	-999
4	6.46	-113.11	2.91	1.38	4.20	-999
4	6.14	-112.97	3.40	1.53	4.62	-999
4	5.71	-112.74	5.79	2.09	5.01	-999
4	5.40	-112.59	9.24	3.07	3.98	-999
4	5.05	-112.45	8.72	2.78	3.96	-999
4	4.75	-112.30	9.42	3.03	3.86	-999
4	4.33	-112.10	8.89	2.85	4.03	-999
4	4.03	-111.95	9.96	3.18	4.40	-999
4	3.62	-111.76	10.95	3.63	4.77	-999
4	3.34	-111.61	8.24	3.37	4.43	-999
4	2.87	-111.39	8.18	2.97	4.31	-999
4	2.58	-111.25	8.48	2.76	3.92	-999
4	2.17	-111.07	8.37	2.50	3.45	-999
4	1.89	-110.92	7.04	2.23	3.87	-999
4	1.48	-110.73	7.47	2.56	4.07	-999
4	1.19	-110.58	7.40	2.52	4.27	-999
4	0.80	-110.39	5.69	2.27	3.99	-999
4	0.52	-110.25	7.64	2.87	3.98	-999
4	0.12	-110.05	9.42	3.60	3.86	-999
4	-0.15	-109.91	13.67	4.69	3.64	-999
4	-0.44	-109.73	-999	4.94	3.59	-999
4	-0.46	-109.75	16.59	5.14	3.60	-999
4	-0.67	-109.65	15.69	5.25	3.62	-999
4	-0.97	-109.46	15.88	5.13	3.57	-999
4	-1.37	-109.19	14.97	5.21	3.34	-999
4	-2.18	-108.65	-999	3.97	2.29	-999
4	-2.45	-108.49	-999	3.91	2.17	-999
4	-2.82	-108.24	12.74	3.37	1.86	-999
4	-3.08	-108.08	9.37	2.82	1.84	-999
4	-3.45	-107.84	8.29	2.31	2.02	-999
4	-3.71	-107.68	8.10	2.63	1.95	-999
4	-4.07	-107.45	8.20	2.26	2.14	-999
4	-4.33	-107.28	8.18	2.47	2.22	-999
4	-4.69	-107.03	9.09	2.34	2.67	-999
4	-4.95	-106.86	8.72	2.04	2.63	-999
4	-5.33	-106.62	7.97	2.12	2.66	-999
4	-5.59	-106.45	7.77	2.10	2.63	-999
4	-5.96	-106.20	8.30	1.94	2.96	-999

4	-6.24	-106.02	9.32	1.91	2.85	-999
4	-7.25	-105.35	8.85	1.51	2.57	-999
4	-7.52	-105.18	6.99	1.48	2.44	-999
4	-7.89	-104.94	6.77	1.61	2.46	-999
4	-8.17	-104.76	5.72	1.42	2.69	-999
4	-8.55	-104.51	6.64	1.40	2.61	-999
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4	-9.21	-104.06	6.29	1.42	2.60	-999
4	-9.50	-103.89	5.53	1.34	2.73	-999
4	-9.89	-103.64	4.73	1.20	3.66	-999
4	-10.16	-103.45	5.22	1.24	3.52	-999
4	-10.55	-103.21	4.31	1.09	3.24	-999
4	-10.82	-103.03	5.21	1.18	3.29	-999
4	-11.20	-102.78	5.01	1.20	3.46	-999
4	-11.47	-102.59	4.56	1.04	3.71	-999
4	-12.49	-101.92	4.01	1.05	3.84	-999
4	-12.77	-101.74	5.30	1.25	5.23	-999
4	-13.14	-101.49	6.75	1.54	5.06	-999
4	-13.41	-101.31	7.48	1.98	5.70	-999
4	-13.78	-101.07	5.98	1.53	4.09	-999
4	-14.05	-100.90	4.81	1.33	4.13	-999
4	-14.41	-100.64	3.88	1.11	4.19	-999
4	-14.67	-100.46	2.15	0.85	4.68	-999
4	-15.04	-100.22	3.15	1.12	5.10	-999
4	-15.31	-100.04	1.93	0.89	7.56	-999
4	-15.68	-99.79	1.79	0.98	6.78	-999
4	-15.94	-99.62	2.08	1.07	6.76	-999
4	-16.51	-99.24	1.42	0.94	6.27	-999
4	-16.76	-99.06	1.81	0.91	5.57	-999
4	-17.13	-98.80	1.61	0.78	6.62	-999
4	-17.40	-98.62	1.63	0.85	6.78	-999
4	-17.77	-98.37	1.39	0.85	6.77	-999
4	-18.03	-98.19	1.42	0.81	6.89	-999
4	-18.40	-97.94	1.76	0.97	6.23	-999
4	-18.66	-97.76	1.68	0.68	6.37	-999
4	-19.04	-97.52	1.44	0.71	7.06	-999
4	-19.31	-97.33	1.44	0.82	7.91	-999
4	-19.66	-97.09	1.42	0.77	8.80	-999
4	-19.92	-96.91	1.26	0.84	7.27	-999
4	-20.30	-96.65	1.31	0.88	8.39	-999
4	-20.57	-96.47	1.17	0.81	8.14	-999
4	-20.94	-96.21	1.14	0.89	7.85	-999
4	-21.21	-96.03	1.08	0.84	7.55	-999
4	-21.66	-95.70	1.09	0.76	7.82	-999
4	-21.93	-95.53	1.21	0.78	7.72	-999
4	-22.31	-95.27	1.28	0.75	6.03	-999
4	-22.58	-95.08	1.66	0.78	7.31	-999

4	-22.96	-94.82	1.25	0.95	6.92	-999
4	-23.23	-94.63	1.27	0.81	7.02	-999
4	-23.61	-94.36	1.23	0.94	6.70	-999
4	-23.87	-94.17	1.08	0.72	6.68	-999
4	-24.25	-93.89	1.13	1.02	8.13	-999
4	-24.52	-93.69	1.07	0.82	5.26	-999
4	-24.90	-93.42	0.99	0.89	6.25	-999
4	-25.17	-93.23	1.13	0.81	6.50	-999
4	-25.60	-92.94	0.94	0.74	8.08	-999
4	-25.86	-92.75	1.22	0.94	9.84	-999
4	-26.24	-92.47	1.20	1.12	6.57	-999
4	-26.54	-92.26	1.05	0.84	6.46	-999
4	-26.81	-92.06	1.14	0.84	6.94	-999
4	-26.97	-91.94	1.15	0.89	7.71	-999
4	-27.25	-91.74	1.31	0.81	8.03	-999
4	-27.63	-91.47	1.36	0.80	10.19	-999
4	-27.90	-91.28	1.57	0.82	7.23	-999
4	-28.28	-91.00	1.67	1.05	7.72	-999
4	-28.55	-90.80	1.15	0.88	8.24	-999
4	-28.93	-90.52	1.44	1.02	8.79	-999
4	-29.21	-90.31	1.47	0.86	8.34	-999
4	-29.61	-90.02	1.23	0.99	7.96	-999
4	-29.89	-89.81	1.17	0.85	8.60	-999
4	-30.25	-89.43	1.11	0.95	9.97	-999
4	-31.41	-87.95	1.42	0.82	7.83	-999
4	-31.64	-87.67	1.78	0.93	6.58	-999
4	-31.95	-87.25	1.82	1.11	9.70	-999
4	-32.18	-86.96	1.80	0.94	-999	-999
4	-32.51	-86.55	13.07	1.68	10.13	-999
4	-33.06	-85.82	3.72	1.18	7.35	-999
4	-33.29	-85.51	7.03	1.32	7.66	-999
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4	-34.29	-84.20	3.89	1.37	6.26	-999
4	-34.60	-83.76	6.70	2.17	14.01	-999
4	-34.84	-83.47	6.80	1.78	12.56	-999
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4	-35.80	-82.18	5.37	1.29	5.89	-999
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4	-37.14	-80.36	2.71	1.38	4.99	-999
4	-37.48	-79.90	2.35	1.28	4.26	-999
4	-37.70	-79.60	2.55	1.41	3.85	-999
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4	-39.19	-77.53	4.02	1.75	9.16	-999
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4	-39.74	-76.75	3.24	1.79	9.69	-999
4	-39.98	-76.40	2.79	1.41	15.29	-999
4	-40.34	-75.88	3.91	2.04	15.98	-999
4	-40.57	-75.55	3.77	1.90	21.69	-999
4	-40.90	-75.09	5.08	2.12	10.77	-999
4	-41.14	-74.79	16.36	4.75	9.52	-999
4	-41.45	-74.31	34.24	9.03	7.58	-999
4	-42.24	-73.32	54.15	24.47	9.16	-999
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4	-43.05	-73.25	46.90	15.44	6.52	-999
4	-43.40	-73.29	-999	-999	-999	-999
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4	-44.66	-73.49	24.54	13.41	3.31	-999
4	-45.44	-73.82	31.56	20.07	3.33	-999
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4	-51.09	-74.20	57.84	10.31	3.55	-999
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4	-53.91	-71.32	61.24	19.85	3.86	-999
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5	47.76	-10.87	1.82	2.46	2.34	-999
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5	45.22	-14.69	1.42	1.79	2.98	-999
5	45.13	-14.82	1.44	1.54	5.39	-999
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5	44.75	-15.52	1.60	1.99	2.39	-999
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5	43.33	-18.36	1.24	1.89	3.14	-999
5	43.06	-18.64	1.30	1.78	3.45	-999
5	42.78	-18.91	1.30	1.80	4.43	-999
5	42.50	-19.17	1.28	1.83	4.11	-999
5	42.22	-19.43	1.28	1.60	4.01	-999
5	42.00	-19.63	1.26	1.98	3.52	-999
5	41.71	-19.88	1.19	1.94	3.99	-999
5	41.43	-20.14	1.18	1.86	3.57	-999
5	41.19	-20.26	1.10	1.69	3.60	-999
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5	41.18	-20.24	1.37	1.72	4.39	-999
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5	40.50	-21.22	1.41	2.50	4.27	-999
5	40.10	-21.79	1.29	2.32	3.53	-999
5	39.86	-22.15	1.24	1.85	2.91	-999
5	39.61	-22.48	1.28	2.04	3.19	-999
5	39.36	-22.83	1.13	1.88	3.92	-999
5	39.13	-23.17	1.33	2.26	4.34	-999

5	38.88	-23.51	1.46	3.36	3.78	-999
5	38.63	-23.88	1.99	4.24	2.59	-999
5	38.40	-24.19	1.43	2.73	2.95	-999
5	38.16	-24.53	1.76	3.22	3.06	-999
5	37.92	-24.87	1.36	2.69	2.91	-999
5	37.69	-25.22	4.78	8.05	2.67	-999
5	37.72	-25.63	2.49	3.80	2.47	-999
5	37.73	-25.66	3.62	6.51	2.89	-999
5	37.40	-25.72	2.41	3.42	2.78	-999
5	37.14	-25.75	-999	-999	3.01	-999
5	37.05	-25.77	2.29	4.35	2.14	-999
5	36.05	-25.99	1.37	2.34	-999	-999
5	35.69	-26.05	1.38	2.72	2.87	-999
5	35.33	-26.13	0.93	1.22	3.24	-999
5	34.97	-26.20	0.83	1.29	3.41	-999
5	34.62	-26.27	0.91	1.39	2.46	-999
5	34.30	-26.35	0.82	1.25	3.01	-999
5	33.94	-26.41	0.82	1.42	2.74	-999
5	33.58	-26.48	-999	1.29	3.34	-999
5	33.22	-26.53	0.81	1.26	3.55	-999
5	32.86	-26.60	0.83	1.13	3.00	-999
5	32.51	-26.68	0.81	1.09	4.43	-999
5	32.22	-26.75	0.91	1.14	3.96	-999
5	31.87	-26.81	0.88	1.24	3.99	-999
5	31.52	-26.85	-999	0.86	4.19	-999
5	31.17	-26.93	0.88	0.95	3.99	-999
5	30.81	-27.00	0.94	0.82	4.30	-999
5	30.25	-27.11	0.96	1.09	4.84	-999
5	29.89	-27.17	0.97	1.15	5.77	-999
5	29.52	-27.24	0.93	1.13	5.90	-999
5	29.16	-27.31	0.98	0.56	6.15	-999
5	28.80	-27.38	0.97	0.92	5.98	-999
5	28.44	-27.44	0.95	1.24	6.20	-999
5	28.11	-27.50	0.92	1.14	5.19	-999
5	27.76	-27.56	0.97	1.25	5.42	-999
5	27.39	-27.62	0.97	0.78	5.83	-999
5	27.04	-27.70	1.08	0.92	5.63	-999
5	26.69	-27.75	1.03	0.97	5.34	-999
5	26.41	-27.81	0.97	1.10	5.58	-999
5	26.05	-27.88	0.93	0.83	5.35	-999
5	25.68	-27.94	0.80	0.88	4.13	-999
5	25.34	-28.00	0.83	0.94	4.31	-999
5	25.33	-28.00	0.87	0.94	5.50	-999
5	24.62	-28.00	0.71	0.95	4.86	-999
5	24.26	-28.00	0.72	0.99	4.85	-999
5	23.89	-28.00	0.68	0.85	5.93	-999
5	23.53	-28.01	0.78	0.93	6.56	-999

5	23.16	-28.00	0.78	0.83	6.21	-999
5	22.84	-28.00	0.78	0.82	6.70	-999
5	22.48	-28.00	0.76	1.07	6.85	-999
5	22.12	-28.00	0.77	0.93	7.66	-999
5	21.75	-28.00	0.77	0.88	5.90	-999
5	21.39	-28.00	0.75	0.97	6.69	-999
5	21.02	-28.01	0.76	0.98	6.70	-999
5	20.68	-28.04	0.79	1.00	4.61	-999
5	20.32	-28.14	0.77	0.96	-999	-999
5	19.97	-28.23	0.78	0.97	4.94	-999
5	19.26	-28.41	0.76	1.03	4.91	-999
5	18.90	-28.51	0.76	0.91	4.64	-999
5	18.55	-28.60	0.72	0.90	4.87	-999
5	18.20	-28.69	0.75	1.03	4.46	-999
5	17.84	-28.79	0.77	1.03	4.11	-999
5	17.51	-28.86	0.79	1.16	4.65	-999
5	17.18	-28.95	0.77	1.18	4.85	-999
5	16.83	-28.96	0.75	1.05	4.92	-999
5	16.48	-28.90	0.83	1.12	4.83	-999
5	16.14	-28.82	0.85	1.05	4.80	-999
5	15.43	-28.67	0.74	1.10	5.63	-999
5	15.08	-28.60	0.90	0.83	6.31	-999
5	14.74	-28.53	0.95	1.05	5.60	-999
5	14.39	-28.46	0.96	1.33	5.77	-999
5	13.62	-28.30	0.97	1.30	6.41	-999
5	13.27	-28.23	0.88	1.14	6.82	-999
5	12.93	-28.16	0.83	1.14	6.17	-999
5	12.58	-28.09	0.96	1.26	5.64	-999
5	12.23	-28.02	1.00	1.21	5.23	-999
5	12.17	-28.01	1.05	1.25	5.14	-999
5	12.17	-28.01	1.22	1.22	3.86	-999
5	12.01	-28.01	1.06	1.21	4.61	-999
5	11.66	-28.00	0.91	0.90	4.63	-999
5	11.30	-28.00	0.78	0.96	4.75	-999
5	10.96	-28.00	0.78	0.93	3.84	-999
5	10.67	-28.00	0.74	0.84	4.29	-999
5	10.32	-28.00	0.69	0.92	4.95	-999
5	9.87	-28.00	0.73	0.92	5.40	-999
5	9.50	-28.00	0.75	0.81	5.62	-999
5	8.96	-28.00	0.51	0.86	4.79	-999
5	8.61	-28.00	0.69	1.03	5.75	-999
5	8.27	-28.00	0.70	0.99	5.23	-999
5	7.91	-28.00	0.78	1.00	4.64	-999
5	7.56	-28.00	0.75	0.85	4.84	-999
5	7.21	-28.00	0.80	1.01	4.70	-999
5	7.00	-28.00	0.90	1.13	5.45	-999
5	7.06	-27.84	0.81	1.04	5.86	-999

5	7.25	-27.76	0.73	0.87	5.92	-999
5	7.17	-27.88	0.80	1.07	5.86	-999
5	7.12	-27.77	0.74	1.00	4.47	-999
5	7.08	-27.87	0.78	1.08	6.00	-999
5	7.04	-27.67	0.76	0.99	5.21	-999
5	6.91	-27.43	0.76	0.99	6.08	-999
5	6.78	-27.22	0.77	0.94	5.43	-999
5	6.82	-27.07	0.76	0.89	5.61	-999
5	6.91	-26.83	0.80	1.00	4.48	-999
5	6.78	-26.64	0.75	0.77	4.30	-999
5	6.75	-26.40	0.81	1.03	4.63	-999
5	6.74	-26.25	0.78	0.94	4.05	-999
5	6.74	-26.10	0.76	0.94	4.04	-999
5	6.74	-26.00	0.73	0.92	4.44	-999
5	6.46	-25.93	0.79	1.01	4.22	-999
5	6.15	-25.87	0.78	0.87	4.83	-999
5	5.84	-25.80	0.78	0.78	5.08	-999
5	5.57	-25.89	0.80	0.61	5.34	-999
5	5.30	-25.79	0.80	0.67	3.82	-999
5	4.97	-25.63	0.67	0.79	3.65	-999
5	4.83	-25.41	0.70	0.83	3.86	-999
5	4.50	-25.40	0.83	0.87	3.30	-999
5	4.18	-25.35	0.91	0.85	3.39	-999
5	3.86	-25.28	0.87	0.94	3.96	-999
5	3.31	-25.21	0.77	0.83	4.76	-999
5	2.97	-25.15	0.81	0.98	5.31	-999
5	2.63	-25.10	1.00	1.02	4.76	-999
5	2.29	-25.05	0.86	1.09	4.52	-999
5	2.01	-25.00	0.93	1.35	4.35	-999
5	2.01	-25.01	1.40	1.27	4.33	-999
5	2.00	-25.00	1.07	1.16	4.46	-999
5	1.78	-25.00	0.96	1.45	4.68	-999
5	1.53	-25.00	0.79	1.15	4.14	-999
5	1.30	-25.00	0.62	1.10	4.17	-999
5	1.03	-25.00	0.94	1.35	3.99	-999
5	0.83	-25.00	0.98	1.46	4.75	-999
5	0.55	-25.00	2.02	1.38	5.30	-999
5	0.35	-25.00	1.36	1.54	4.93	-999
5	0.07	-25.00	1.37	1.81	4.67	-999
5	-0.01	-25.00	1.48	1.87	5.16	-999
5	-0.40	-25.00	1.66	2.26	4.65	-999
5	-0.62	-25.00	1.75	2.37	4.43	-999
5	-0.90	-25.00	1.42	2.54	6.08	-999
5	-1.11	-25.00	1.43	2.19	5.94	-999
5	-1.39	-25.00	1.32	1.92	4.45	-999
5	-1.64	-25.00	1.40	2.05	4.24	-999
5	-1.94	-25.00	1.23	1.90	4.94	-999

5	-2.00	-25.00	1.18	1.88	3.88	-999
5	-2.11	-25.05	0.83	1.67	4.11	-999
5	-2.39	-25.19	-999	-999	4.27	-999
5	-2.68	-25.32	0.84	1.47	3.65	-999
5	-2.96	-25.46	0.87	1.35	5.10	-999
5	-3.20	-25.57	0.83	1.33	5.07	-999
5	-3.46	-25.71	0.85	1.13	5.22	-999
5	-4.00	-25.95	0.95	1.37	5.55	-999
5	-4.00	-25.96	0.94	1.38	4.24	-999
5	-4.25	-26.07	0.93	1.35	4.63	-999
5	-4.53	-26.21	1.02	1.28	4.57	-999
5	-4.80	-26.35	1.05	1.38	4.80	-999
5	-5.03	-26.45	1.00	1.45	3.02	-999
5	-5.29	-26.58	1.00	1.26	3.40	-999
5	-5.56	-26.71	0.88	1.22	3.11	-999
5	-5.83	-26.84	0.83	1.35	3.80	-999
5	-6.00	-26.92	0.92	1.29	3.77	-999
5	-6.05	-26.95	0.93	1.15	4.08	-999
5	-6.32	-27.08	0.91	1.20	4.12	-999
5	-6.60	-27.21	0.86	1.07	3.99	-999
5	-6.88	-27.35	0.93	1.00	3.47	-999
5	-7.11	-27.46	0.92	1.04	4.39	-999
5	-7.40	-27.60	0.92	0.95	4.13	-999
5	-7.83	-27.81	0.98	0.91	4.50	-999
5	-8.00	-27.89	0.99	1.09	4.09	-999
5	-8.02	-27.90	0.99	1.08	4.83	-999
5	-8.30	-28.03	1.04	1.01	5.08	-999
5	-8.58	-28.17	1.02	0.91	5.13	-999
5	-8.86	-28.30	1.00	0.87	5.42	-999
5	-9.15	-28.44	1.05	0.97	5.43	-999
5	-9.38	-28.60	1.02	0.88	4.91	-999
5	-9.50	-28.64	0.99	0.90	5.46	-999
5	-9.51	-28.50	0.71	0.91	5.09	-999
5	-9.50	-28.49	0.67	0.78	4.99	-999
5	-9.55	-28.31	1.19	0.93	4.81	-999
5	-9.74	-28.51	1.10	0.80	4.84	-999
5	-10.00	-28.64	0.97	0.84	5.45	-999
5	-10.27	-28.80	0.89	0.75	5.47	-999
5	-10.69	-29.04	0.95	0.89	5.06	-999
5	-10.97	-29.21	0.67	0.73	3.85	-999
5	-11.01	-29.23	0.90	0.87	4.84	-999
5	-11.15	-29.30	0.77	0.84	4.47	-999
5	-11.43	-29.48	0.77	0.81	4.56	-999
5	-11.72	-29.65	0.75	0.87	4.66	-999
5	-12.00	-29.81	0.72	0.79	4.34	-999
5	-12.24	-29.96	0.67	0.84	5.27	-999
5	-12.51	-30.11	0.70	0.83	5.77	-999

5	-12.76	-30.26	0.66	0.77	4.90	-999
5	-13.00	-30.40	0.58	0.71	4.83	-999
5	-13.01	-30.39	0.60	0.75	5.35	-999
5	-13.23	-30.53	0.64	0.82	4.13	-999
5	-13.48	-30.68	0.63	0.91	4.55	-999
5	-13.74	-30.83	0.69	0.79	4.87	-999
5	-14.00	-30.99	0.67	0.85	4.82	-999
5	-14.18	-31.16	0.65	0.71	4.41	-999
5	-14.25	-31.08	0.65	0.89	5.26	-999
5	-14.25	-31.00	0.76	0.81	5.69	-999
5	-14.25	-30.96	0.67	0.93	5.57	-999
5	-14.29	-30.81	0.70	0.87	5.31	-999
5	-14.48	-31.00	0.71	0.94	5.22	-999
5	-14.72	-31.09	0.70	0.84	5.75	-999
5	-14.97	-31.19	0.72	0.79	5.85	-999
5	-15.20	-31.28	0.70	0.79	4.75	-999
5	-15.47	-31.38	0.70	0.74	3.50	-999
5	-15.74	-31.48	0.71	0.65	4.42	-999
5	-16.00	-31.60	0.70	0.80	3.86	-999
5	-16.00	-31.59	0.70	0.74	4.20	-999
5	-16.21	-31.68	0.66	0.78	4.09	-999
5	-16.49	-31.79	0.65	0.77	4.10	-999
5	-16.90	-31.95	0.71	0.78	4.57	-999
5	-17.10	-32.03	0.65	0.68	4.52	-999
5	-17.37	-32.14	0.67	0.77	4.55	-999
5	-17.64	-32.25	0.64	0.74	3.90	-999
5	-17.91	-32.36	0.60	0.84	4.17	-999
5	-18.01	-32.40	0.65	0.82	4.18	-999
5	-18.01	-32.40	0.64	0.82	4.76	-999
5	-18.23	-32.49	0.60	0.87	5.50	-999
5	-18.42	-32.66	-999	0.99	5.43	-999
5	-18.50	-32.56	0.83	0.92	5.02	-999
5	-18.50	-32.50	0.89	1.03	5.30	-999
5	-18.50	-32.39	0.55	0.83	4.92	-999
5	-18.60	-32.36	0.63	0.87	6.07	-999
5	-18.77	-32.51	0.62	0.97	4.72	-999
5	-19.04	-32.60	0.65	0.86	4.32	-999
5	-19.32	-32.69	0.64	0.90	5.37	-999
5	-19.74	-32.81	0.67	0.94	5.59	-999
5	-20.00	-32.89	0.65	0.97	4.72	-999
5	-19.99	-32.89	0.70	0.98	4.70	-999
5	-20.23	-32.96	0.71	0.96	5.47	-999
5	-20.52	-32.98	0.78	1.00	5.78	-999
5	-20.80	-32.95	0.74	0.97	5.41	-999
5	-21.00	-32.93	0.86	0.97	5.32	-999
5	-20.99	-32.93	0.76	0.86	5.86	-999
5	-20.99	-32.94	0.79	0.94	6.10	-999

5	-21.17	-32.92	0.74	0.99	5.37	-999
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5	-21.75	-32.84	0.77	1.04	5.53	-999
5	-22.00	-32.81	0.70	0.97	5.29	-999
5	-21.99	-32.81	0.73	1.04	5.39	-999
5	-22.26	-32.83	0.69	1.11	5.36	-999
5	-22.46	-33.03	0.74	1.08	6.37	-999
5	-22.50	-32.84	0.70	0.97	5.94	-999
5	-22.50	-32.83	0.75	1.05	5.97	-999
5	-22.50	-32.59	0.72	1.02	6.34	-999
5	-22.70	-32.80	0.72	1.09	5.98	-999
5	-22.92	-32.92	0.74	0.94	5.57	-999
5	-23.00	-32.95	0.80	1.00	5.73	-999
5	-23.16	-33.02	0.69	0.98	6.06	-999
5	-23.44	-33.15	0.72	0.95	6.25	-999
5	-23.71	-33.28	0.76	1.01	5.73	-999
5	-23.98	-33.40	0.72	1.09	6.65	-999
5	-24.00	-33.41	0.86	1.04	6.69	-999
5	-24.00	-33.41	-999	-999	6.58	-999
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5	-24.08	-33.45	1.03	1.27	-999	-999
5	-24.35	-33.59	0.78	1.07	-999	-999
5	-24.62	-33.70	0.73	0.99	6.33	-999
5	-25.38	-34.07	0.77	0.94	6.38	-999
5	-25.66	-34.20	0.72	0.88	5.95	-999
5	-25.94	-34.34	0.74	1.01	5.99	-999
5	-26.00	-34.36	0.79	0.94	5.93	-999
5	-26.18	-34.44	0.81	1.04	6.35	-999
5	-26.45	-34.56	0.76	1.02	6.81	-999
5	-26.73	-34.67	0.79	0.89	6.71	-999
5	-27.00	-34.79	0.79	0.96	5.95	-999
5	-27.00	-34.80	0.89	0.83	5.43	-999
5	-27.00	-34.81	0.94	1.09	5.58	-999
5	-27.06	-34.88	0.75	1.07	5.32	-999
5	-27.29	-35.12	0.76	1.03	5.42	-999
5	-27.49	-35.36	0.78	1.16	5.60	-999
5	-27.71	-35.60	0.75	1.00	5.15	-999
5	-27.91	-35.85	0.76	1.07	5.70	-999
5	-28.00	-35.95	0.83	1.05	4.91	-999
5	-28.10	-36.03	0.87	1.08	4.50	-999
5	-28.31	-36.27	0.82	1.19	4.40	-999
5	-28.53	-36.50	0.82	1.07	4.66	-999
5	-28.97	-36.96	0.72	0.87	4.57	-999
5	-29.01	-37.01	0.98	1.17	4.56	-999
5	-29.18	-37.20	0.84	1.06	3.58	-999
5	-29.42	-37.44	0.87	1.18	4.65	-999
5	-29.91	-37.95	1.11	1.61	3.50	-999

5	-30.01	-38.05	0.83	1.15	3.49	-999
5	-30.11	-38.14	0.80	1.18	5.43	-999
5	-30.30	-38.37	0.95	1.36	4.21	-999
5	-30.51	-38.60	1.01	1.68	4.36	-999
5	-30.73	-38.84	0.99	1.62	4.42	-999
5	-31.03	-39.15	-999	-999	7.07	-999
5	-31.21	-39.35	1.02	1.67	7.01	-999
5	-31.21	-39.36	1.05	1.89	-999	-999
5	-31.21	-39.36	1.06	1.76	5.22	-999
5	-31.25	-39.41	0.97	1.70	5.14	-999
5	-31.45	-39.64	0.91	1.51	5.26	-999
5	-31.65	-39.87	0.98	1.71	4.56	-999
5	-31.85	-40.09	0.98	1.73	3.18	-999
5	-32.00	-40.27	0.96	1.57	3.38	-999
5	-32.01	-40.27	0.98	1.59	3.41	-999
5	-32.22	-40.52	1.05	1.70	3.22	-999
5	-32.44	-40.78	1.00	1.70	3.15	-999
5	-32.66	-41.04	1.09	1.98	3.30	-999
5	-32.87	-41.29	1.07	1.82	5.69	-999
5	-33.00	-41.44	0.98	1.72	4.45	-999
5	-33.08	-41.55	1.02	1.62	5.08	-999
5	-33.33	-41.84	1.05	1.73	4.97	-999
5	-33.56	-42.11	1.00	1.82	4.55	-999
5	-33.78	-42.38	1.07	1.75	4.11	-999
5	-34.00	-42.64	1.08	1.70	3.63	-999
5	-34.00	-42.64	1.28	2.02	4.78	-999
5	-34.19	-42.87	1.04	1.71	5.09	-999
5	-34.41	-43.13	1.03	1.60	6.38	-999
5	-34.62	-43.39	1.13	1.71	3.74	-999
5	-34.84	-43.65	1.17	1.73	2.92	-999
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5	-35.02	-43.84	1.30	1.78	3.24	-999
5	-35.14	-43.99	1.35	1.76	4.26	-999
5	-35.34	-44.27	1.25	1.78	4.58	-999
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5	-36.03	-45.14	1.33	1.98	2.66	-999
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5	-36.43	-45.60	1.21	1.96	3.02	-999
5	-36.63	-45.84	1.20	1.84	2.72	-999
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5	-37.00	-46.32	1.21	1.80	2.26	-999
5	-37.00	-46.33	1.30	1.86	3.78	-999
5	-37.13	-46.51	1.19	1.77	3.23	-999
5	-37.31	-46.74	1.23	1.94	3.13	-999

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5	-37.87	-47.41	1.28	2.19	3.30	-999
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5	-39.54	-49.54	1.01	1.54	6.54	-999
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5	-41.17	-51.72	1.55	2.31	7.96	-999
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5	-42.24	-53.16	1.61	2.47	2.94	-999
5	-42.37	-53.33	1.56	2.77	2.53	-999
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5	-43.07	-54.24	2.23	4.90	4.81	-999
5	-43.26	-54.46	2.34	4.06	4.58	-999
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5	-44.06	-55.45	2.74	2.71	1.57	-999
5	-44.27	-55.72	3.17	3.05	5.33	-999
5	-44.42	-55.93	3.24	2.51	5.03	-999
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5	-44.76	-56.45	3.11	2.54	10.35	-999
5	-44.95	-56.76	2.82	2.63	13.86	-999
5	-45.08	-56.94	2.78	2.50	7.92	-999
5	-45.24	-57.17	2.87	2.75	5.09	-999
5	-45.38	-57.37	2.71	2.75	5.86	-999
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5	-45.60	-57.69	3.03	2.26	3.70	-999
5	-45.66	-57.78	2.90	2.38	3.28	-999
5	-45.73	-57.88	3.27	2.65	2.74	-999
5	-45.75	-57.92	3.40	2.59	2.30	-999
5	-45.89	-58.14	2.93	2.61	2.73	-999
5	-46.09	-58.42	3.21	2.66	2.57	-999
5	-46.25	-58.67	3.04	2.66	3.49	-999
5	-46.41	-58.91	3.00	2.56	1.04	-999
5	-46.48	-59.02	3.12	2.65	0.90	-999
5	-46.67	-59.26	3.00	2.68	0.86	-999
5	-46.85	-59.52	2.91	2.29	1.81	-999
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6	-69.60	175.91	-999	-999	0.61	-999
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6	-69.71	179.54	-999	2.06	0.71	-999
6	-69.78	179.78	-999	-999	0.59	-999
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6	-69.88	-179.26	-999	4.37	0.61	-999
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6	-70.14	-177.00	-999	1.78	0.69	-999
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6	-70.92	-176.58	-999	1.82	1.00	-999
6	-70.77	-176.82	-999	-999	-999	-999
6	-70.62	-176.84	-999	2.46	0.42	-999
6	-70.49	-176.68	-999	2.90	1.41	-999
6	-70.37	-176.51	-999	6.38	2.96	-999
6	-70.35	-176.89	-999	2.07	1.03	-999
6	-70.31	-177.31	-999	2.78	0.78	-999
6	-70.27	-177.70	-999	3.18	1.55	-999
6	-70.06	-179.53	-999	1.82	1.26	-999
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6	-69.80	178.76	-999	4.49	1.15	-999
6	-69.73	178.38	-999	3.53	1.16	-999
6	-69.67	178.02	-999	3.53	1.16	-999
6	-69.61	177.66	-999	2.55	0.99	-999
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6	-69.49	176.94	-999	3.26	1.09	-999
6	-69.43	176.58	-999	4.34	0.82	-999
6	-69.37	176.21	-999	5.39	0.78	-999
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6	-68.88	176.36	-999	7.21	0.95	-999
6	-68.76	176.44	-999	6.39	1.64	-999
6	-68.69	176.51	-999	4.91	1.03	-999
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6	-68.61	177.62	-999	5.58	1.00	-999
6	-68.68	178.04	-999	4.99	0.93	-999
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6	-68.80	178.91	-999	5.31	1.49	-999
6	-68.87	179.37	-999	0.92	0.35	-999
6	-68.93	179.82	-999	4.42	1.07	-999
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6	-69.05	-179.29	-999	-999	1.51	-999
6	-69.11	-178.84	-999	-999	1.92	-999
6	-69.25	-177.84	-999	-999	2.56	-999
6	-68.96	-173.70	-999	-999	1.12	-999
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6	-70.44	-174.43	-999	5.66	2.96	-999
6	-70.55	-174.48	-999	4.24	3.08	-999
6	-70.66	-174.52	-999	4.73	2.15	-999
6	-70.79	-174.60	-999	4.91	2.82	-999
6	-70.90	-174.66	-999	4.09	2.59	-999
6	-71.02	-174.71	-999	4.27	2.36	-999
6	-71.16	-174.78	-999	3.23	1.80	-999
6	-71.29	-174.87	-999	4.13	1.14	-999
6	-71.41	-174.93	-999	3.39	0.86	-999
6	-71.54	-174.77	-999	4.05	0.94	-999
6	-71.54	-173.81	-999	3.83	1.35	-999
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6	-71.48	-173.06	-999	2.91	2.01	-999
6	-70.82	-172.77	-999	3.53	1.05	-999
6	-70.70	-172.71	-999	2.66	0.56	-999
6	-70.57	-172.64	-999	2.95	0.87	-999
6	-70.41	-172.58	-999	3.96	0.82	-999
6	-70.24	-172.52	-999	3.43	0.61	-999
6	-70.17	-172.04	-999	3.52	0.71	-999
6	-70.17	-171.36	-999	2.61	0.83	-999
6	-70.17	-170.69	-999	2.99	1.28	-999
6	-70.28	-170.00	-999	0.99	0.77	-999
6	-70.97	-170.00	-999	3.14	1.27	-999
6	-71.08	-170.00	-999	3.18	1.41	-999
6	-71.21	-170.00	-999	3.01	1.41	-999
6	-71.34	-170.00	-999	3.31	1.14	-999
6	-71.48	-169.97	-999	3.49	1.10	-999
6	-71.61	-169.84	-999	3.26	0.97	-999
6	-71.75	-169.83	-999	4.01	1.24	-999
6	-71.89	-169.84	-999	3.12	1.11	-999
6	-72.04	-169.85	-999	3.05	0.98	-999
6	-72.18	-169.85	-999	3.80	1.08	-999
6	-72.30	-168.18	-999	-999	-999	-999
6	-72.31	-167.43	-999	-999	0.87	-999
6	-72.31	-166.68	-999	3.64	0.86	-999
6	-72.32	-165.92	-999	4.51	0.88	-999
6	-72.29	-165.14	-999	3.60	0.91	-999
6	-72.34	-163.54	-999	4.01	0.95	-999
6	-72.35	-162.73	-999	5.37	1.32	-999
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6	-72.36	-161.14	-999	3.85	0.91	-999
6	-72.36	-160.36	-999	2.65	1.11	-999
6	-72.28	-159.99	-999	3.56	1.26	-999

6	-72.12	-160.02	-999	3.33	0.90	-999
6	-71.86	-160.00	-999	2.83	0.82	-999
6	-71.81	-159.71	-999	4.03	0.88	-999
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6	-71.81	-158.75	-999	2.86	1.01	-999
6	-71.80	-158.27	-999	3.47	0.87	-999
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6	-72.01	-158.00	-999	2.79	1.26	-999
6	-72.17	-158.00	-999	3.04	1.31	-999
6	-72.63	-158.41	-999	-999	1.68	-999
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6	-72.37	-159.22	-999	4.60	1.28	-999
6	-72.39	-157.88	8.29	6.05	1.30	-999
6	-72.39	-156.89	9.48	5.85	1.69	-999
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6	-72.89	-152.50	4.80	3.55	1.97	-999
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6	-73.73	-150.99	6.68	3.24	1.47	-999
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6	-72.49	-150.00	6.77	3.86	1.49	-999
6	-72.35	-150.00	6.62	3.86	1.65	-999
6	-72.19	-149.98	7.08	4.82	1.38	-999
6	-72.06	-149.94	7.08	3.46	1.61	-999
6	-71.94	-149.74	7.32	3.38	1.60	-999
6	-71.82	-149.72	7.14	3.15	1.08	-999
6	-71.66	-149.36	7.08	3.68	1.33	-999
6	-71.50	-149.02	7.08	2.76	1.14	-999
6	-71.29	-148.58	6.65	3.36	0.82	-999
6	-71.11	-148.22	5.74	3.50	0.91	-999
6	-70.95	-147.75	5.82	3.64	0.92	-999
6	-70.84	-147.16	5.19	3.55	0.84	-999
6	-70.62	-146.00	5.75	3.46	0.76	-999
6	-70.51	-145.44	5.44	3.42	0.72	-999
6	-70.40	-144.87	5.22	3.48	0.78	-999
6	-70.28	-144.31	5.31	3.35	0.78	-999
6	-70.18	-143.76	5.58	4.38	0.79	-999
6	-70.07	-143.22	5.58	3.28	0.76	-999
6	-69.96	-142.68	5.27	4.12	0.76	-999
6	-69.92	-142.34	5.49	3.98	0.76	-999
6	-69.80	-142.18	5.51	3.99	0.85	-999
6	-69.59	-141.28	5.98	4.07	0.63	-999
6	-69.53	-140.73	-999	-999	-999	-999
6	-69.40	-139.90	4.55	3.14	0.06	-999

6	-69.36	-139.71	5.72	4.05	0.55	-999
6	-69.26	-139.24	6.14	3.56	0.59	-999
6	-69.15	-138.72	6.12	5.00	0.62	-999
6	-69.04	-138.21	6.15	4.42	0.62	-999
6	-69.14	-137.87	5.53	4.33	0.68	-999
6	-69.35	-137.66	5.64	3.70	0.63	-999
6	-69.56	-137.46	6.01	3.23	0.66	-999
6	-69.77	-137.25	5.92	3.44	0.63	-999
6	-69.97	-137.05	5.99	3.90	0.66	-999
6	-70.18	-136.84	7.74	4.05	0.93	-999
6	-70.38	-136.64	7.76	4.06	0.88	-999
6	-70.56	-136.45	7.63	3.65	0.90	-999
6	-70.76	-136.26	10.12	3.69	0.82	-999
6	-70.95	-136.05	10.22	3.52	0.87	-999
6	-71.10	-135.89	10.53	3.98	1.03	-999
6	-71.25	-135.45	8.97	2.94	0.97	-999
6	-71.25	-135.06	10.23	2.89	1.03	-999
6	-71.24	-134.67	9.99	3.78	0.98	-999
6	-71.25	-134.28	8.65	4.42	0.91	-999
6	-71.25	-133.81	9.83	3.50	0.93	-999
6	-71.34	-133.48	9.46	2.92	0.72	-999
6	-71.41	-133.18	8.36	3.35	0.74	-999
6	-71.49	-132.90	7.95	5.00	0.74	-999
6	-71.58	-132.53	8.42	3.52	0.77	-999
6	-71.69	-132.14	8.60	3.53	0.88	-999
6	-71.82	-131.66	8.97	3.78	0.94	-999
6	-71.96	-131.17	7.11	3.40	1.08	-999
6	-72.10	-130.64	7.19	4.66	0.98	-999
6	-72.11	-130.26	7.04	3.57	1.12	-999
6	-71.97	-130.78	7.32	3.99	0.80	-999
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6	-71.66	-131.94	7.87	3.82	0.82	-999
6	-71.52	-132.31	10.77	3.52	0.88	-999
6	-71.33	-132.25	7.98	4.20	0.58	-999
6	-71.17	-132.04	8.15	4.07	0.66	-999
6	-71.01	-131.76	-999	-999	0.71	-999
6	-70.69	-131.21	11.35	4.49	0.84	-999
6	-69.69	-129.43	4.97	3.03	0.77	-999
6	-69.75	-129.10	5.93	4.30	0.87	-999
6	-69.85	-129.29	5.45	3.82	0.92	-999
6	-69.85	-129.75	6.34	4.88	0.71	-999
6	-69.69	-129.75	5.44	4.23	0.76	-999
6	-69.59	-129.75	5.74	3.12	0.68	-999
6	-69.46	-129.75	6.65	4.23	0.67	-999
6	-69.35	-129.75	6.25	4.17	0.77	-999
6	-69.22	-129.75	5.75	3.68	0.59	-999
6	-69.09	-129.75	5.99	3.61	0.59	-999

6	-68.97	-129.80	6.45	5.34	0.52	-999
6	-68.86	-129.98	6.96	5.66	0.63	-999
6	-68.75	-130.17	7.41	4.19	0.67	-999
6	-68.64	-130.36	7.11	4.99	0.67	-999
6	-68.53	-130.56	7.66	4.24	0.73	-999
6	-68.42	-130.74	8.66	4.42	0.71	-999
6	-68.31	-130.93	8.12	3.75	0.67	-999
6	-68.20	-131.11	10.14	3.45	0.84	-999
6	-68.09	-131.28	9.65	4.40	0.88	-999
6	-67.99	-131.45	10.06	3.34	0.74	-999
6	-67.88	-131.63	10.22	3.55	0.76	-999
6	-67.78	-131.80	10.14	4.01	0.79	-999
6	-67.67	-131.98	10.37	3.80	0.90	-999
6	-67.55	-132.16	10.97	4.06	0.86	-999
6	-67.42	-132.39	10.67	5.63	0.78	-999
6	-67.30	-132.58	11.08	5.45	0.83	-999
6	-67.21	-132.46	10.66	4.85	0.90	-999
6	-67.12	-132.04	8.98	4.88	0.68	-999
6	-67.14	-131.81	9.42	4.27	0.70	-999
6	-67.25	-131.61	8.20	4.00	0.68	-999
6	-67.35	-131.42	8.63	4.17	0.78	-999
6	-67.45	-131.22	9.17	4.15	0.82	-999
6	-67.56	-131.02	8.88	4.71	0.83	-999
6	-67.66	-130.82	9.63	4.01	0.78	-999
6	-67.76	-130.63	8.08	4.49	0.68	-999
6	-67.86	-130.43	8.38	4.07	0.74	-999
6	-67.97	-130.23	8.89	4.65	0.71	-999
6	-68.07	-130.04	7.68	4.18	0.60	-999
6	-68.17	-129.84	8.50	4.81	0.61	-999
6	-68.27	-129.65	7.55	5.69	0.59	-999
6	-68.37	-129.45	7.12	4.36	0.56	-999
6	-68.54	-129.11	7.12	4.24	0.56	-999
6	-68.65	-128.89	7.28	4.16	0.56	-999
6	-68.76	-128.68	-999	-999	0.64	-999
6	-68.87	-128.46	7.25	3.76	0.70	-999
6	-68.98	-128.25	6.91	4.63	0.66	-999
6	-69.08	-128.03	7.80	3.85	0.69	-999
6	-69.19	-127.82	7.45	3.99	0.73	-999
6	-69.16	-127.48	8.85	4.87	0.69	-999
6	-69.12	-127.13	7.76	4.17	0.69	-999
6	-69.08	-126.77	7.97	4.37	0.83	-999
6	-69.04	-126.41	7.77	5.73	0.72	-999
6	-69.00	-126.06	8.97	4.41	0.71	-999
6	-68.96	-125.69	8.81	3.78	0.67	-999
6	-68.92	-125.35	8.16	3.45	0.83	-999
6	-68.88	-125.01	8.93	3.85	0.77	-999
6	-68.85	-124.67	9.17	4.39	0.69	-999

6	-68.77	-124.66	10.13	4.77	0.65	-999
6	-68.66	-124.89	10.00	4.61	0.61	-999
6	-68.55	-125.12	10.06	4.48	0.62	-999
6	-68.45	-125.33	10.19	4.93	0.61	-999
6	-68.35	-125.54	9.17	3.40	0.61	-999
6	-68.26	-125.75	9.97	3.89	0.59	-999
6	-68.16	-125.96	10.01	4.05	0.63	-999
6	-68.05	-126.17	10.07	3.67	0.69	-999
6	-67.95	-126.39	10.03	4.73	0.63	-999
6	-67.85	-126.60	9.40	4.37	0.68	-999
6	-67.74	-126.81	9.34	3.92	0.61	-999
6	-67.64	-127.01	9.50	3.80	0.69	-999
6	-67.54	-127.21	8.98	3.88	0.73	-999
6	-67.45	-127.41	9.93	3.30	0.78	-999
6	-67.35	-127.62	11.06	3.60	0.76	-999
6	-67.24	-127.82	11.38	3.95	0.72	-999
6	-67.14	-128.02	12.39	4.31	0.79	-999
6	-67.05	-128.22	12.15	3.58	0.72	-999
6	-66.94	-128.43	11.58	4.25	0.74	-999
6	-66.84	-128.63	11.47	4.74	0.75	-999
6	-66.74	-128.84	11.62	4.56	0.73	-999
6	-66.63	-129.05	11.89	5.25	0.75	-999
6	-66.53	-129.27	12.13	4.90	0.72	-999
6	-66.42	-129.47	12.71	4.96	0.73	-999
6	-66.34	-129.26	11.53	3.60	0.75	-999
6	-66.27	-129.01	12.13	4.44	0.78	-999
6	-66.19	-128.75	12.12	3.71	0.74	-999
6	-66.10	-128.49	11.58	4.48	0.72	-999
6	-66.03	-128.22	11.88	4.26	0.80	-999
6	-65.95	-127.97	12.68	4.76	0.78	-999
6	-65.94	-127.75	13.20	5.19	0.81	-999
6	-66.05	-127.57	12.39	5.04	0.77	-999
6	-66.14	-127.39	13.09	5.18	0.83	-999
6	-66.25	-127.19	12.10	3.98	0.83	-999
6	-66.35	-127.00	12.34	4.59	0.81	-999
6	-66.46	-126.81	14.38	5.85	0.97	-999
6	-66.57	-126.59	10.29	5.46	0.84	-999
6	-66.67	-126.41	9.57	3.76	0.73	-999
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6	-66.87	-126.02	10.37	3.93	0.73	-999
6	-66.98	-125.82	10.93	4.19	0.71	-999
6	-67.08	-125.62	-999	-999	-999	-999
6	-67.19	-125.42	10.70	4.33	0.69	-999
6	-67.30	-125.21	10.63	4.01	0.71	-999
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6	-67.52	-124.80	9.77	4.04	0.63	-999
6	-67.62	-124.59	9.90	3.60	0.63	-999

6	-67.73	-124.38	10.29	4.12	0.59	-999
6	-67.83	-124.18	10.00	4.62	0.64	-999
6	-67.94	-123.98	10.18	3.95	0.61	-999
6	-68.04	-123.77	-999	-999	0.60	-999
6	-68.14	-123.57	10.32	4.37	0.60	-999
6	-68.25	-123.36	10.37	4.35	0.64	-999
6	-68.35	-123.14	10.60	4.64	0.63	-999
6	-68.46	-122.93	11.05	4.57	0.58	-999
6	-68.57	-122.71	10.71	4.47	0.61	-999
6	-68.63	-122.43	12.39	4.54	0.60	-999
6	-68.66	-122.13	11.10	5.12	0.63	-999
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6	-68.75	-121.12	11.00	4.03	0.61	-999
6	-68.88	-120.77	10.42	4.20	0.63	-999
6	-69.06	-120.53	9.62	4.17	0.67	-999
6	-69.23	-120.30	10.36	3.63	0.63	-999
6	-69.41	-120.06	8.83	3.98	0.59	-999
6	-69.59	-119.82	7.57	3.78	0.51	-999
6	-69.77	-119.58	8.13	4.34	0.51	-999
6	-69.94	-119.33	8.13	4.01	0.50	-999
6	-70.13	-119.10	8.15	4.21	0.48	-999
6	-70.32	-118.81	8.33	3.97	0.63	-999
6	-70.40	-119.27	8.35	4.36	0.62	-999
6	-70.44	-119.95	8.05	3.96	0.76	-999
6	-70.48	-120.61	7.99	4.28	0.74	-999
6	-70.51	-121.14	8.56	3.19	0.99	-999
6	-70.51	-121.51	8.50	3.48	0.80	-999
6	-70.37	-121.61	7.58	3.88	0.69	-999
6	-70.14	-121.83	8.26	4.05	0.70	-999
6	-69.95	-121.99	7.07	2.93	0.66	-999
6	-69.86	-122.06	6.91	2.80	0.59	-999
6	-69.65	-122.23	7.53	3.37	0.58	-999
6	-69.45	-122.40	7.06	4.08	0.59	-999
6	-69.23	-122.57	7.42	4.24	0.48	-999
6	-69.03	-122.73	7.65	3.99	0.48	-999
6	-68.88	-122.94	9.81	4.34	0.53	-999
6	-69.06	-123.02	8.71	4.03	0.54	-999
6	-69.07	-123.61	9.81	4.78	0.58	-999
6	-69.10	-124.09	9.40	5.52	0.56	-999
6	-69.18	-123.73	9.70	4.96	0.58	-999
6	-69.18	-123.13	8.45	4.48	0.55	-999
6	-69.13	-122.91	8.35	3.16	0.54	-999
6	-69.10	-123.51	9.19	3.37	0.68	-999
6	-69.13	-123.33	7.41	2.67	0.56	-999
6	-68.97	-123.31	8.87	2.82	0.68	-999
6	-68.98	-123.86	9.22	3.39	0.67	-999
6	-69.07	-124.24	9.86	4.23	0.67	-999

6	-69.27	-124.21	-999	2.74	0.69	-999
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6	-69.71	-124.24	8.07	2.53	0.77	-999
6	-69.67	-124.61	8.10	3.15	1.03	-999
6	-69.64	-124.96	8.33	2.76	0.97	-999
6	-69.60	-125.33	8.65	2.80	1.05	-999
6	-69.50	-125.63	8.56	3.15	0.77	-999
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6	-69.17	-127.75	7.52	3.14	0.73	-999
6	-69.30	-127.73	7.87	2.94	1.10	-999
6	-69.43	-127.72	7.55	2.54	0.95	-999
6	-69.55	-127.65	7.29	2.23	1.05	-999
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6	-69.66	-127.93	13.02	3.23	1.37	-999
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6	-69.42	-128.32	6.67	2.75	0.94	-999
6	-69.30	-128.51	5.82	4.03	0.98	-999
6	-69.18	-128.73	5.82	4.34	0.80	-999
6	-69.06	-128.89	4.88	3.90	0.65	-999
6	-68.94	-129.10	5.33	3.40	0.58	-999
6	-68.80	-129.37	5.78	3.31	0.51	-999
6	-68.67	-129.61	5.82	3.94	0.48	-999
6	-68.32	-130.25	6.59	3.39	0.50	-999
6	-68.19	-130.34	7.01	3.58	0.57	-999
6	-68.14	-130.13	7.48	3.20	0.63	-999
6	-68.06	-129.89	6.92	3.92	0.63	-999
6	-67.99	-129.64	7.09	3.97	0.76	-999
6	-67.92	-129.38	7.07	3.79	0.76	-999
6	-67.84	-129.11	6.70	3.96	0.71	-999
6	-67.77	-128.82	5.83	3.97	0.73	-999
6	-67.69	-128.56	5.49	3.75	0.61	-999
6	-67.62	-128.29	4.81	3.91	0.61	-999
6	-67.54	-128.03	5.03	4.12	0.68	-999
6	-67.63	-127.82	4.79	4.36	0.65	-999
6	-67.73	-127.62	5.01	3.94	0.60	-999
6	-67.83	-127.41	5.47	3.78	0.56	-999
6	-67.93	-127.19	5.09	3.56	0.59	-999
6	-68.04	-126.98	6.29	4.27	0.56	-999
6	-68.14	-126.76	6.92	3.71	0.56	-999
6	-68.25	-126.56	6.87	3.80	0.55	-999
6	-68.35	-126.35	7.72	3.56	0.53	-999

6	-68.41	-126.40	7.89	4.58	0.56	-999
6	-68.40	-126.73	8.80	3.90	0.64	-999
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6	-68.39	-127.34	8.40	3.93	0.63	-999
6	-68.39	-127.61	8.56	3.77	0.56	-999
6	-68.38	-127.86	6.19	4.01	0.52	-999
6	-68.26	-128.00	7.12	3.34	0.52	-999
6	-68.15	-128.12	6.49	3.67	0.52	-999
6	-68.07	-128.31	6.27	3.93	0.52	-999
6	-67.99	-128.53	5.52	3.72	0.53	-999
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6	-67.82	-128.96	6.00	4.37	0.64	-999
6	-67.73	-129.17	6.59	4.44	0.66	-999
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6	-67.39	-128.33	6.41	3.84	0.68	-999
6	-67.30	-128.08	8.35	4.20	0.74	-999
6	-67.17	-127.68	8.14	4.20	0.70	-999
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6	-67.00	-127.20	8.34	3.88	0.63	-999
6	-66.92	-126.97	9.96	5.69	0.76	-999
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6	-66.76	-126.49	8.89	3.97	0.81	-999
6	-66.68	-126.26	13.23	4.13	0.67	-999
6	-66.76	-126.32	-999	4.48	0.70	-999
6	-67.10	-125.92	8.13	4.76	0.70	-999
6	-67.16	-125.67	9.42	4.51	0.68	-999
6	-67.00	-125.80	12.14	4.64	0.67	-999
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6	-67.00	-125.87	19.34	4.12	0.68	-999
6	-67.00	-125.87	30.23	3.79	0.76	-999
6	-66.89	-125.56	8.54	4.17	0.66	-999
6	-66.75	-125.15	9.24	4.17	0.70	-999
6	-66.48	-124.22	-999	-999	-999	-999
6	-66.65	-123.87	8.83	5.00	0.65	-999
6	-66.81	-123.52	8.34	3.02	0.60	-999
6	-66.99	-123.16	8.72	3.49	0.62	-999
6	-67.15	-122.81	8.47	3.61	0.62	-999
6	-67.32	-122.46	8.58	4.86	0.59	-999
6	-67.49	-122.10	8.72	3.88	0.55	-999
6	-67.66	-121.73	8.50	4.24	0.48	-999
6	-67.83	-121.36	8.78	3.86	0.53	-999
6	-68.01	-120.99	8.73	4.33	0.57	-999
6	-68.20	-120.74	8.92	4.50	0.58	-999
6	-68.37	-119.90	8.08	4.15	0.53	-999
6	-68.36	-119.33	7.51	4.04	0.46	-999

6	-68.34	-118.72	8.30	4.24	0.53	-999
6	-68.33	-118.08	8.22	3.90	0.51	-999
6	-68.31	-117.44	7.67	4.59	0.56	-999
6	-68.38	-116.91	8.74	4.33	0.50	-999
6	-68.62	-116.74	7.77	3.49	0.41	-999
6	-68.85	-116.55	7.31	4.43	0.46	-999
6	-69.07	-116.35	7.45	4.38	0.48	-999
6	-68.99	-115.77	7.99	4.35	0.51	-999
6	-68.92	-115.14	8.36	4.56	0.42	-999
6	-68.84	-114.51	8.82	4.33	0.44	-999
6	-68.76	-113.88	8.60	4.21	0.47	-999
6	-68.68	-113.25	9.25	4.34	0.48	-999
6	-68.53	-112.81	9.04	4.11	0.61	-999
6	-68.33	-112.50	8.66	4.26	0.54	-999
6	-68.13	-112.19	8.89	3.94	0.50	-999
6	-67.98	-111.76	9.54	4.75	0.52	-999
6	-67.93	-111.13	8.52	4.37	0.51	-999
6	-67.87	-110.51	8.77	4.15	0.69	-999
6	-67.82	-109.88	7.52	4.03	0.56	-999
6	-67.77	-109.26	7.54	4.04	0.59	-999
6	-67.71	-108.64	7.15	4.30	0.55	-999
6	-67.66	-108.02	6.78	4.74	0.57	-999
6	-67.65	-107.45	7.87	4.14	0.73	-999
6	-67.87	-107.15	8.22	4.34	0.69	-999
6	-68.01	-106.80	7.75	4.08	0.65	-999
6	-67.87	-106.27	7.77	4.30	0.56	-999
6	-67.87	-105.80	9.00	4.38	0.56	-999
6	-68.09	-105.50	-999	-999	-999	-999
6	-68.30	-105.18	8.33	3.54	0.56	-999
6	-68.51	-104.90	8.35	3.74	0.58	-999
6	-68.60	-104.46	8.00	3.98	0.54	-999
6	-68.51	-103.84	8.29	3.94	0.50	-999
6	-68.43	-103.25	7.76	3.65	0.57	-999
6	-68.34	-102.64	8.26	3.73	0.54	-999
6	-68.26	-102.03	7.83	3.57	0.65	-999
6	-68.07	-102.05	9.61	3.88	0.59	-999
6	-67.85	-102.30	10.34	3.77	0.57	-999
6	-67.63	-102.54	9.51	3.93	0.60	-999
6	-67.31	-102.92	9.97	4.02	0.59	-999
6	-67.11	-102.98	10.52	4.28	0.57	-999
6	-67.00	-102.46	11.48	4.27	0.71	-999
6	-66.83	-102.42	9.62	3.77	0.66	-999
6	-66.61	-102.70	9.94	4.03	0.64	-999
6	-66.40	-103.00	11.41	4.50	0.62	-999
6	-66.26	-102.70	9.05	4.11	0.57	-999
6	-66.14	-102.25	8.12	3.23	0.54	-999
6	-66.02	-101.80	7.32	2.61	0.55	-999

6	-65.90	-101.37	9.07	1.90	0.49	-999
6	-65.77	-100.95	9.69	1.44	0.62	-999
6	-65.64	-100.54	9.33	1.56	0.65	-999
6	-65.51	-100.12	9.14	2.02	0.69	-999
6	-65.39	-99.72	10.17	2.28	0.59	-999
6	-65.26	-99.31	10.12	2.83	0.58	-999
6	-65.13	-98.91	9.67	3.90	0.59	-999
6	-65.00	-98.51	10.02	3.42	0.61	-999
6	-64.75	-97.71	9.56	3.80	0.56	-999
6	-64.62	-97.32	8.92	3.28	0.56	-999
6	-64.49	-96.91	8.34	3.37	0.54	-999
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6	-64.23	-96.13	6.07	2.39	0.60	-999
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6	-63.97	-95.33	6.96	2.91	0.65	-999
6	-63.84	-94.94	6.55	3.06	0.64	-999
6	-63.58	-94.54	6.05	3.40	0.65	-999
6	-63.42	-94.91	5.81	3.60	0.58	-999
6	-63.26	-95.29	5.89	3.16	0.60	-999
6	-63.09	-95.66	8.93	4.59	0.78	-999
6	-62.93	-96.03	9.12	4.51	0.86	-999
6	-62.77	-96.40	7.34	4.49	0.94	-999
6	-62.61	-96.76	6.55	4.04	1.03	-999
6	-62.45	-97.12	5.43	3.68	1.09	-999
6	-62.29	-97.48	5.30	3.45	1.09	-999
6	-62.12	-97.84	5.13	4.08	1.09	-999
6	-61.96	-98.20	4.75	3.61	0.97	-999
6	-61.80	-98.56	5.24	3.73	1.03	-999
6	-61.64	-98.91	5.23	3.57	0.96	-999
6	-61.47	-99.27	5.30	3.76	0.96	-999
6	-61.32	-99.61	6.32	3.97	1.07	-999
6	-61.16	-99.94	6.40	3.44	0.99	-999
6	-61.03	-99.55	6.86	3.96	1.07	-999
6	-60.90	-99.12	6.42	4.03	1.03	-999
6	-60.77	-98.69	6.02	3.68	1.23	-999
6	-60.64	-98.26	5.39	3.68	1.26	-999
6	-60.52	-97.85	5.41	3.57	1.27	-999
6	-60.40	-97.43	3.86	2.93	1.39	-999
6	-60.28	-97.04	3.66	3.10	1.26	-999
6	-60.18	-96.63	3.66	2.93	1.26	-999
6	-60.32	-96.27	3.15	2.80	1.25	-999
6	-60.47	-95.90	3.73	3.16	1.24	-999
6	-60.62	-95.55	4.30	3.53	1.11	-999
6	-60.77	-95.19	4.86	3.91	1.04	-999
6	-60.92	-94.82	5.45	4.09	0.96	-999
6	-61.08	-94.43	5.50	3.97	1.01	-999
6	-61.23	-94.04	-999	-999	-999	-999

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6	-61.47	-93.14	6.28	4.14	0.93	-999
6	-61.58	-92.69	5.95	3.85	0.96	-999
6	-61.70	-92.25	7.49	4.19	0.91	-999
6	-61.77	-91.78	7.92	3.93	0.80	-999
6	-61.77	-91.28	6.59	3.85	0.72	-999
6	-61.77	-90.78	7.46	3.95	0.62	-999
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6	-61.99	-89.91	9.11	4.16	0.97	-999
6	-62.12	-89.47	8.45	3.73	0.80	-999
6	-62.25	-89.04	8.64	3.89	0.94	-999
6	-62.38	-88.60	7.98	3.87	0.95	-999
6	-62.51	-88.15	8.31	3.55	0.93	-999
6	-62.65	-87.68	8.50	3.83	0.73	-999
6	-62.80	-87.16	8.42	3.79	0.90	-999
6	-62.93	-86.69	8.69	3.88	0.96	-999
6	-63.07	-86.21	8.93	3.74	0.90	-999
6	-63.01	-85.82	8.18	3.67	0.70	-999
6	-62.83	-85.56	10.36	3.68	0.80	-999
6	-62.65	-85.30	8.77	4.15	0.94	-999
6	-62.50	-85.03	9.00	4.52	0.88	-999
6	-62.38	-84.65	8.22	3.42	0.81	-999
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6	-62.12	-83.83	8.21	3.73	0.88	-999
6	-61.98	-83.40	8.30	4.34	0.92	-999
6	-61.85	-82.96	7.56	3.45	0.87	-999
6	-61.71	-82.54	7.99	3.42	0.93	-999
6	-61.58	-82.11	7.49	4.34	0.91	-999
6	-61.45	-81.69	7.00	4.03	0.90	-999
6	-61.31	-81.28	6.60	4.23	1.09	-999
6	-61.18	-80.87	7.19	2.15	0.93	-999
6	-60.97	-80.22	7.36	2.17	1.05	-999
6	-60.84	-79.82	7.31	2.66	1.05	-999
6	-60.70	-79.40	7.71	-999	1.29	-999
6	-60.57	-78.98	6.81	2.07	1.44	-999
6	-60.43	-78.57	6.62	2.27	1.49	-999
6	-60.29	-78.16	5.75	3.66	1.55	-999
6	-60.15	-77.74	5.09	3.27	1.54	-999
6	-60.02	-77.33	6.08	3.37	1.40	-999
6	-59.88	-76.93	5.93	3.35	1.34	-999
6	-59.75	-76.54	6.65	3.54	1.50	-999
6	-59.61	-76.14	6.53	3.15	1.53	-999
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6	-58.43	-72.70	3.84	3.17	1.67	-999
6	-58.29	-72.30	7.16	3.65	0.62	-999
6	-58.15	-71.91	3.60	2.56	2.05	-999
6	-58.01	-71.51	3.98	3.07	2.26	-999
6	-57.87	-71.13	-999	-999	2.04	-999
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6	-53.55	-66.68	18.70	3.21	2.33	-999
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6	-53.25	-67.18	12.80	3.13	4.58	-999
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7	-46.90	141.96	5.44	3.02	2.30	-999
7	-46.79	142.05	5.53	3.68	2.49	-999
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7	-46.70	141.09	2.60	2.76	2.21	-999
7	-46.91	142.04	9.93	4.73	3.62	-999
7	-46.90	142.03	10.11	4.89	3.63	-999
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7	-47.79	144.73	7.31	2.96	2.14	-999
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7	-50.41	143.44	3.17	3.02	3.43	-999
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7	-52.09	142.72	4.03	3.42	2.50	-999
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7	-66.00	143.17	7.87	4.95	0.93	-999
7	-66.59	144.25	6.09	4.63	1.33	-999
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7	-65.92	144.50	6.76	4.46	1.12	-999
7	-66.34	141.76	10.26	6.11	0.75	-999
7	-66.56	141.47	14.19	7.10	1.41	-999
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7	-65.67	141.20	8.43	5.01	1.90	-999
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8	10.79	173.08	1.21	0.72	0.56	-999
8	10.88	173.32	1.45	0.84	0.73	-999
8	11.05	173.80	1.62	0.67	0.66	-999
8	11.14	174.03	1.48	0.72	0.79	-999
8	11.32	174.51	1.02	0.49	0.68	-999
8	11.41	174.75	1.14	0.61	0.76	-999
8	11.58	175.21	0.97	0.50	0.72	-999
8	11.67	175.45	1.14	0.63	0.77	-999
8	13.61	-179.25	-999	-999	-999	-999
8	13.73	-178.93	-999	-999	-999	-999
8	13.90	-178.45	-999	-999	-999	-999
8	14.02	-178.13	-999	-999	-999	-999
8	14.20	-177.64	-999	-999	-999	-999
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8	14.50	-176.81	-999	-999	-999	-999
8	14.62	-176.48	-999	-999	-999	-999
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8	14.93	-175.64	-999	-999	-999	-999

8	15.11	-175.14	-999	-999	-999	-999
8	15.22	-174.84	-999	-999	-999	-999
8	15.38	-174.39	-999	-999	-999	-999
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8	16.32	-171.81	-999	-999	-999	-999
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8	16.77	-170.56	-999	-999	-999	-999
8	16.89	-170.24	-999	-999	-999	-999
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8	17.79	-167.72	-999	-999	-999	-999
8	17.90	-167.43	-999	-999	-999	-999
8	18.05	-167.00	-999	-999	-999	-999
8	18.16	-166.71	-999	-999	-999	-999
8	18.31	-166.27	-999	-999	-999	-999
8	18.41	-165.98	-999	-999	-999	-999
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8	18.66	-165.30	-999	-999	-999	-999
8	18.80	-164.92	-999	-999	-999	-999
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8	19.02	-164.28	-999	-999	-999	-999
8	19.11	-164.04	-999	-999	-999	-999
8	19.23	-163.70	3.49	0.54	1.06	-999
8	19.29	-163.52	4.04	0.74	0.92	-999
8	19.42	-163.17	3.17	0.72	1.02	-999
8	19.48	-163.00	3.57	0.66	0.97	-999
8	19.60	-162.66	1.38	0.78	0.92	-999
8	19.66	-162.49	1.22	0.70	1.00	-999
8	19.79	-162.12	1.13	0.68	0.92	-999
8	19.86	-161.93	1.19	0.79	1.36	-999
8	19.98	-161.58	1.33	0.73	0.97	-999
8	20.04	-161.41	1.35	0.75	1.19	-999
8	20.17	-161.04	3.20	0.94	1.50	-999
8	20.24	-160.86	3.05	0.89	1.20	-999
8	20.37	-160.50	2.21	0.67	0.79	-999
8	20.43	-160.32	1.89	0.76	1.10	-999
8	20.55	-159.97	1.11	0.73	1.02	-999
8	20.62	-159.79	1.23	0.78	1.53	-999

8	20.74	-159.44	0.94	0.71	1.37	-999
8	20.80	-159.27	1.00	0.70	1.41	-999
8	20.92	-158.92	1.03	0.69	1.10	-999
8	20.98	-158.75	1.37	0.74	1.58	-999
8	21.10	-158.41	0.96	0.54	1.27	-999
8	21.16	-158.23	1.15	0.75	1.57	-999
8	21.24	-158.01	4.92	1.78	1.51	-999
8	21.62	-158.39	3.69	0.85	2.49	-999
8	21.85	-158.50	3.70	1.03	1.89	-999
8	22.29	-158.70	4.33	1.43	2.05	-999
8	22.51	-158.80	2.67	1.07	1.88	-999
8	22.94	-159.01	2.11	1.04	2.83	-999
8	23.16	-159.11	2.44	1.09	2.61	-999
8	23.60	-159.32	1.66	0.89	2.78	-999
8	23.83	-159.43	1.68	0.98	2.66	-999
8	24.27	-159.64	1.66	0.86	2.69	-999
8	24.48	-159.74	1.72	0.89	2.76	-999
8	24.92	-159.95	1.61	0.86	2.84	-999
8	25.14	-160.05	1.38	0.84	2.82	-999
8	25.56	-160.25	1.50	0.86	2.98	-999
8	25.77	-160.36	1.50	0.87	2.86	-999
8	26.22	-160.57	1.53	0.88	3.04	-999
8	26.44	-160.68	1.67	0.91	3.01	-999
8	26.87	-160.89	1.66	0.95	3.02	-999
8	27.09	-160.99	1.65	0.92	2.85	-999
8	27.52	-161.20	1.61	0.96	2.69	-999
8	27.73	-161.31	1.36	0.85	2.59	-999
8	28.16	-161.52	1.34	0.84	2.66	-999
8	28.37	-161.62	1.49	0.83	2.78	-999
8	28.79	-161.83	1.52	0.84	3.15	-999
8	29.01	-161.94	1.46	0.88	2.97	-999
8	29.45	-162.15	1.49	0.85	2.54	-999
8	29.66	-162.26	1.54	0.88	2.73	-999
8	30.08	-162.47	1.86	0.89	2.64	-999
8	30.30	-162.58	1.62	0.88	2.45	-999
8	30.74	-162.80	1.32	0.85	1.82	-999
8	30.96	-162.91	1.36	0.82	1.93	-999
8	31.38	-163.12	1.44	0.83	2.20	-999
8	31.59	-163.24	1.52	0.86	2.28	-999
8	32.01	-163.45	1.64	0.87	2.18	-999
8	32.21	-163.55	-999	-999	-999	-999
8	32.83	-163.87	1.60	0.85	2.22	-999
8	33.05	-163.98	1.64	0.89	2.30	-999
8	33.46	-164.19	1.32	0.85	1.98	-999
8	33.66	-164.30	1.34	0.88	2.04	-999
8	34.06	-164.51	1.28	0.89	1.78	-999
8	34.26	-164.61	-999	-999	-999	-999

8	34.66	-164.82	1.48	1.00	1.96	-999
8	34.86	-164.92	1.56	1.07	1.90	-999
8	34.90	-164.92	1.42	1.05	1.69	-999
8	34.93	-164.92	1.39	1.01	1.69	-999
8	34.99	-164.91	1.40	1.04	1.63	-999
8	34.94	-164.96	1.35	1.04	1.67	-999
8	34.94	-164.90	1.42	0.98	1.67	-999
8	34.94	-164.90	1.44	0.99	1.58	-999
8	34.94	-164.90	1.44	1.02	1.61	-999
8	34.97	-164.94	1.42	1.00	1.72	-999
8	35.39	-165.00	1.74	1.15	1.86	-999
8	35.61	-165.00	1.63	1.14	1.89	-999
8	36.07	-165.00	1.57	1.18	1.80	-999
8	36.30	-165.00	2.55	1.37	1.88	-999
8	36.75	-165.00	1.14	1.16	1.79	-999
8	36.98	-165.00	1.17	1.25	1.95	-999
8	37.42	-165.00	1.23	1.37	1.62	-999
8	37.65	-165.00	1.23	1.54	1.58	-999
8	38.11	-165.00	1.21	1.51	1.68	-999
8	38.34	-165.00	1.27	1.47	1.78	-999
8	38.80	-165.00	1.43	1.70	2.20	-999
8	39.03	-165.00	1.39	1.66	2.48	-999
8	39.50	-165.00	1.33	1.62	2.30	-999
8	39.73	-165.00	1.33	1.57	2.17	-999
8	40.18	-165.00	1.35	1.68	2.88	-999
8	40.41	-165.00	1.50	1.93	3.26	-999
8	40.89	-165.00	1.25	1.94	2.89	-999
8	41.12	-165.00	1.20	1.94	2.32	-999
8	41.58	-165.00	1.24	1.86	2.31	-999
8	41.81	-165.00	1.23	1.98	2.52	-999
8	42.24	-165.00	1.30	1.87	2.09	-999
8	42.47	-165.00	1.24	1.85	2.02	-999
8	42.94	-165.00	1.68	1.88	2.12	-999
8	43.17	-165.00	1.26	1.88	1.97	-999
8	43.66	-165.00	1.26	1.91	2.24	-999
8	43.90	-165.00	1.21	2.02	2.47	-999
8	44.38	-165.00	1.27	2.27	2.67	-999
8	44.60	-165.00	1.28	2.27	2.73	-999
8	45.02	-165.00	1.42	2.49	3.42	-999
8	45.23	-165.00	-999	-999	3.98	-999
8	45.68	-165.00	1.89	2.95	4.21	-999
8	45.91	-165.00	1.82	2.93	3.99	-999
8	46.37	-165.00	1.58	2.56	2.76	-999
8	46.59	-165.00	1.51	2.45	2.91	-999
8	47.02	-165.00	1.34	2.34	3.00	-999
8	47.24	-165.00	1.36	2.52	2.64	-999
8	47.71	-165.00	1.26	2.69	3.28	-999

8	47.93	-165.00	1.34	2.62	3.38	-999
8	48.38	-165.00	1.28	2.59	2.80	-999
8	48.61	-165.00	1.30	2.59	2.96	-999
8	49.07	-165.00	1.26	2.51	2.96	-999
8	49.29	-165.00	1.25	2.63	2.86	-999
8	49.75	-165.00	1.54	2.84	2.80	-999
8	49.98	-165.00	1.78	2.87	2.74	-999
8	50.16	-165.03	1.80	3.02	2.77	-999
8	50.38	-165.11	1.56	2.74	2.97	-999
8	50.50	-165.13	1.57	2.66	2.87	-999
8	50.57	-164.87	1.59	2.67	3.28	-999
8	50.51	-164.88	1.52	2.68	2.79	-999
8	50.53	-164.87	1.53	2.75	2.89	-999
8	50.53	-164.94	1.54	2.80	2.72	-999
8	50.54	-164.95	1.56	2.81	2.71	-999
8	50.53	-164.93	1.54	2.78	2.91	-999
8	50.51	-164.94	1.51	2.63	2.94	-999
8	50.89	-165.11	1.63	2.84	2.71	-999
8	51.13	-165.18	1.63	2.87	2.72	-999
8	51.58	-165.31	1.74	2.66	2.51	-999
8	51.81	-165.38	1.58	2.75	2.76	-999
8	52.28	-165.52	1.69	3.09	3.17	-999
8	52.51	-165.58	1.81	3.08	2.80	-999
8	52.94	-165.72	1.91	2.98	3.25	-999
8	53.16	-165.78	2.53	3.29	3.12	-999
8	53.58	-165.91	5.55	6.54	2.15	-999
8	53.78	-165.97	10.27	10.02	3.94	-999
8	54.33	-165.74	9.75	10.19	4.01	-999
8	54.29	-165.39	7.60	7.41	3.26	-999
8	54.09	-164.66	11.30	12.33	4.01	-999
8	54.03	-164.28	10.28	8.89	2.41	-999
8	53.88	-163.55	5.31	5.99	1.51	-999
8	53.80	-163.19	5.47	6.92	2.61	-999
8	53.63	-162.51	3.82	4.60	3.23	-999
8	53.57	-162.16	3.09	4.11	3.33	-999
8	53.42	-161.44	2.39	3.56	2.94	-999
8	53.34	-161.06	2.36	3.58	2.93	-999
8	53.17	-160.30	2.24	3.23	3.84	-999
8	53.10	-159.98	2.06	2.94	2.67	-999
8	52.86	-158.88	2.15	2.94	3.03	-999
8	52.71	-158.18	2.19	2.91	3.31	-999
8	52.63	-157.83	1.80	2.97	2.97	-999
8	52.64	-157.30	1.66	2.86	2.65	-999
8	52.63	-157.36	1.70	2.85	2.83	-999
8	52.63	-157.42	1.75	2.94	2.83	-999
8	52.64	-157.21	1.75	3.05	2.77	-999
8	52.66	-156.90	1.66	3.06	2.76	-999

8	52.67	-156.89	1.76	2.98	2.81	-999
8	52.66	-156.94	1.82	3.02	2.68	-999
8	52.64	-156.97	1.70	3.02	2.68	-999
8	52.60	-157.03	1.53	3.21	2.65	-999
8	52.60	-157.06	1.43	3.03	2.62	-999
8	52.63	-157.11	1.56	2.63	2.55	-999
8	52.63	-157.13	1.70	3.08	2.66	-999
8	52.67	-156.88	1.67	3.02	2.64	-999
8	52.67	-156.88	1.60	2.99	2.63	-999
8	52.66	-156.91	1.57	3.04	2.54	-999
8	52.65	-156.95	1.52	2.92	2.49	-999
8	52.65	-156.89	1.57	2.77	2.46	-999
8	52.65	-156.92	1.57	2.81	2.50	-999
8	52.56	-156.83	1.55	2.86	2.54	-999
8	52.44	-156.61	1.54	2.86	2.60	-999
8	52.16	-156.24	1.59	2.81	2.74	-999
8	52.12	-156.34	1.62	2.78	2.38	-999
8	52.06	-156.60	1.67	2.82	2.53	-999
8	52.07	-156.71	1.66	2.92	2.39	-999
8	52.15	-156.92	1.62	2.92	2.62	-999
8	52.09	-156.75	1.61	3.01	2.58	-999
8	52.10	-156.79	1.53	2.91	2.71	-999
8	52.10	-156.80	1.65	2.91	2.74	-999
8	52.08	-156.75	1.61	2.86	2.61	-999
8	52.09	-156.73	1.65	2.87	2.29	-999
8	52.09	-156.64	1.67	2.78	2.23	-999
8	52.09	-156.65	1.60	2.75	2.15	-999
8	52.10	-156.67	1.55	2.85	2.13	-999
8	52.09	-156.66	1.61	2.83	2.10	-999
8	52.08	-156.69	1.50	2.81	2.42	-999
8	52.08	-156.69	1.48	2.92	2.55	-999
8	52.08	-156.69	1.50	2.83	2.56	-999
8	52.08	-156.69	1.47	2.92	2.56	-999
8	52.08	-156.69	1.52	2.78	2.30	-999
8	52.08	-156.67	1.48	2.72	2.21	-999
8	52.08	-156.65	1.45	2.90	2.31	-999
8	52.08	-156.65	1.46	2.97	2.38	-999
8	51.96	-155.95	1.53	2.91	2.30	-999
8	51.89	-155.55	1.53	2.93	2.15	-999
8	51.75	-154.77	1.59	2.88	2.28	-999
8	51.69	-154.39	1.52	2.96	2.31	-999
8	51.55	-153.60	1.41	2.89	2.39	-999
8	51.48	-153.21	1.41	2.85	2.26	-999
8	51.34	-152.43	1.44	2.84	2.23	-999
8	51.27	-152.04	1.57	2.74	2.64	-999
8	51.13	-151.28	1.70	2.80	2.33	-999
8	51.07	-150.90	1.54	2.71	2.22	-999

8	50.93	-150.14	1.58	2.76	2.14	-999
8	50.86	-149.76	1.54	2.79	2.00	-999
8	50.73	-149.03	1.52	2.71	2.16	-999
8	50.73	-148.99	1.50	2.67	2.07	-999
8	50.75	-149.06	1.61	2.62	2.10	-999
8	50.75	-149.04	1.60	2.61	2.17	-999
8	50.62	-148.42	1.43	2.55	2.82	-999
8	50.55	-148.03	1.34	2.58	2.68	-999
8	50.41	-147.26	1.30	2.56	2.75	-999
8	50.34	-146.89	1.30	2.58	2.84	-999
8	50.21	-146.14	1.25	2.62	2.72	-999
8	50.14	-145.76	1.25	2.55	2.71	-999
8	50.00	-145.02	1.22	2.52	2.51	-999
8	50.00	-145.00	1.31	2.52	2.48	-999
8	50.00	-145.00	1.29	2.45	2.50	-999
8	50.00	-145.00	1.29	2.47	2.50	-999
8	50.01	-144.94	1.30	2.52	2.44	-999
8	50.04	-144.83	1.30	2.66	2.46	-999
8	50.03	-144.89	1.32	2.65	2.55	-999
8	49.99	-144.99	1.30	2.67	2.61	-999
8	49.98	-145.05	1.27	2.63	2.54	-999
8	50.01	-144.97	1.27	2.64	2.44	-999
8	50.01	-144.91	1.28	2.56	2.41	-999
8	50.11	-144.88	1.27	2.55	2.52	-999
8	50.12	-144.94	1.28	2.51	2.36	-999
8	50.04	-145.09	1.25	2.60	2.26	-999
8	50.00	-145.30	1.19	2.59	2.48	-999
8	50.00	-145.33	1.15	2.68	2.57	-999
8	50.00	-145.51	1.13	2.50	2.70	-999
8	49.99	-145.64	1.15	2.52	2.64	-999
8	50.00	-145.93	1.34	2.60	2.71	-999
8	50.00	-145.93	1.39	2.78	2.80	-999
8	50.00	-146.25	1.42	2.23	2.77	-999
8	50.00	-146.25	1.32	2.41	2.67	-999
8	50.00	-146.57	1.29	3.09	2.65	-999
8	50.03	-146.52	1.27	2.91	2.65	-999
8	50.36	-146.02	1.28	2.70	2.43	-999
8	50.52	-145.76	1.40	2.76	2.53	-999
8	50.85	-145.24	1.40	2.76	2.33	-999
8	51.00	-145.00	1.30	2.72	2.25	-999
8	50.81	-145.00	1.32	2.66	2.26	-999
8	50.79	-145.00	1.35	2.68	2.26	-999
8	50.58	-145.00	1.27	2.62	2.39	-999
8	50.44	-145.00	1.24	2.71	2.46	-999
8	50.30	-145.00	1.31	2.67	2.39	-999
8	50.22	-145.00	1.32	2.68	2.35	-999
8	50.10	-145.00	1.30	2.53	2.28	-999

8	50.04	-144.96	1.32	2.55	2.37	-999
8	50.03	-144.88	1.28	2.56	2.31	-999
8	50.01	-144.91	1.28	2.59	2.38	-999
8	50.53	-148.92	1.63	2.70	1.13	-999
8	50.58	-149.15	1.59	2.64	0.75	-999
8	50.68	-149.65	1.52	2.57	0.69	-999
8	50.74	-149.94	1.45	2.60	0.65	-999
8	50.87	-150.59	1.49	2.58	0.71	-999
8	50.94	-150.92	1.59	2.45	0.64	-999
8	51.07	-151.57	1.56	2.57	0.94	-999
8	51.14	-151.89	1.48	2.64	0.74	-999
8	51.27	-152.55	1.39	2.57	0.41	-999
8	51.34	-152.90	1.49	2.53	0.42	-999
8	51.48	-153.61	1.57	2.55	0.38	-999
8	51.55	-153.94	1.58	2.48	0.42	-999
8	51.69	-154.67	1.87	2.44	0.31	-999
8	51.76	-155.02	1.96	2.48	0.31	-999
8	51.90	-155.73	1.59	2.26	0.34	-999
8	51.94	-155.92	1.55	2.44	0.31	-999
8	52.09	-156.67	1.63	2.68	0.96	-999
8	52.10	-156.64	1.71	2.85	1.14	-999
8	54.28	-154.82	1.47	2.69	1.12	-999
8	54.47	-154.67	1.58	2.76	1.19	-999
8	54.84	-154.36	1.54	2.69	1.03	-999
8	55.02	-154.20	-999	-999	-999	-999
8	55.38	-153.89	1.57	2.56	0.74	-999
8	55.56	-153.74	1.56	2.64	0.71	-999
8	55.90	-153.43	1.61	2.88	0.76	-999
8	56.07	-153.28	1.65	3.01	0.79	-999
8	56.42	-152.97	2.68	4.29	0.91	-999
8	56.58	-152.83	2.30	3.55	0.80	-999
8	56.92	-152.53	2.44	3.45	0.89	-999
8	57.08	-152.38	3.05	4.58	1.57	-999
8	57.43	-152.07	-999	-999	-999	-999
8	57.59	-152.02	-999	-999	-999	-999
8	57.65	-151.93	5.36	5.67	1.54	-999
8	57.36	-151.31	3.67	4.34	1.05	-999
8	57.21	-151.00	3.16	4.22	1.06	-999
8	56.89	-150.33	1.95	2.80	0.55	-999
8	56.74	-150.02	4.35	2.81	0.48	-999
8	56.43	-149.39	1.76	2.71	0.48	-999
8	56.29	-149.09	1.62	2.60	0.51	-999
8	56.00	-148.50	1.54	2.59	0.57	-999
8	55.85	-148.20	1.67	2.72	0.95	-999
8	55.57	-147.63	1.41	2.74	1.84	-999
8	55.42	-147.34	1.45	2.70	1.67	-999
8	55.14	-146.77	2.38	2.77	1.67	-999

8	55.02	-146.51	1.57	2.87	1.36	-999
8	54.92	-146.48	1.56	2.80	1.46	-999
8	54.71	-146.41	1.45	2.73	1.20	-999
8	54.30	-146.29	1.46	2.90	1.52	-999
8	54.09	-146.23	1.41	2.85	1.48	-999
8	53.68	-146.11	1.38	2.78	1.54	-999
8	53.46	-146.05	1.51	2.88	1.70	-999
8	53.05	-145.93	1.84	2.81	1.86	-999
8	52.85	-145.87	1.62	2.79	1.81	-999
8	52.46	-145.76	1.35	2.84	1.48	-999
8	52.28	-145.70	1.48	2.82	1.47	-999
8	51.90	-145.58	1.44	2.82	1.70	-999
8	51.71	-145.51	1.45	2.68	1.59	-999
8	51.33	-145.38	1.44	2.74	2.04	-999
8	51.13	-145.33	1.41	2.77	2.10	-999
8	50.75	-145.22	-999	2.74	1.98	-999
8	50.55	-145.16	1.44	2.65	2.01	-999
8	50.14	-145.04	1.26	2.60	1.97	-999
8	50.00	-145.00	1.25	2.67	1.93	-999
8	49.90	-145.00	1.21	2.62	2.02	-999
8	49.80	-145.00	1.18	2.61	2.06	-999
8	49.70	-145.00	1.21	2.48	2.11	-999
8	49.60	-145.00	1.23	2.47	2.16	-999
8	49.94	-144.87	1.38	2.53	1.86	-999
8	50.00	-144.84	1.35	2.62	1.89	-999
8	50.00	-144.53	1.28	2.53	1.84	-999
8	50.00	-144.43	1.21	2.49	1.96	-999
8	50.00	-144.06	1.12	2.47	2.09	-999
8	50.00	-143.89	1.08	2.46	2.05	-999
8	50.00	-143.43	1.14	2.47	1.91	-999
8	50.00	-143.44	1.21	2.50	1.85	-999
8	50.21	-143.09	1.23	2.45	2.09	-999
8	50.37	-142.81	1.28	2.45	2.01	-999
8	50.70	-142.25	1.21	2.46	1.89	-999
8	50.87	-141.97	1.17	2.46	1.81	-999
8	51.19	-141.40	1.22	2.61	1.90	-999
8	51.36	-141.12	1.23	2.65	1.75	-999
8	51.67	-140.57	1.22	2.60	1.85	-999
8	51.83	-140.30	1.23	2.45	1.95	-999
8	51.95	-140.09	1.22	2.49	1.92	-999
8	51.85	-139.82	1.21	2.45	1.74	-999
8	51.63	-139.19	1.14	2.46	1.85	-999
8	51.53	-138.88	1.14	2.54	1.90	-999
8	51.32	-138.27	1.12	2.54	1.87	-999
8	51.20	-137.98	1.11	2.49	1.96	-999
8	50.61	-136.51	1.09	2.39	2.30	-999
8	50.49	-136.20	1.04	2.41	2.73	-999

8	50.24	-135.59	1.10	2.35	2.18	-999
8	50.12	-135.29	1.14	2.43	2.00	-999
8	50.04	-134.99	1.13	2.33	1.91	-999
8	50.02	-134.97	1.14	2.51	2.06	-999
8	49.96	-134.75	1.12	2.45	1.96	-999
8	49.87	-134.42	1.17	2.39	2.18	-999
8	49.68	-133.77	1.28	2.46	2.24	-999
8	49.59	-133.43	1.36	2.42	2.39	-999
8	49.41	-132.77	1.40	2.45	2.18	-999
8	49.33	-132.45	1.41	2.50	2.33	-999
8	49.16	-131.81	1.10	2.39	2.21	-999
8	49.07	-131.49	1.08	2.35	2.97	-999
8	48.94	-130.81	1.13	2.34	3.90	-999
8	48.87	-130.46	1.18	2.39	3.45	-999
8	48.77	-129.80	2.00	3.01	1.93	-999
8	48.69	-129.46	1.22	2.13	3.24	-999
8	48.58	-129.37	1.28	2.09	2.70	-999
8	48.68	-129.68	1.18	2.11	3.24	-999
8	48.68	-130.14	1.39	2.38	2.82	-999
8	48.51	-130.00	1.19	2.04	3.25	-999
8	48.29	-129.39	1.44	2.53	2.49	-999
8	48.36	-129.16	1.24	2.14	3.05	-999
8	48.61	-128.71	2.54	3.77	2.14	-999
8	48.59	-128.36	2.26	3.45	1.96	-999
8	48.56	-127.66	-999	-999	-999	-999
8	48.54	-127.32	3.46	4.38	3.14	-999
8	48.55	-126.62	3.82	4.99	4.44	-999
8	48.55	-126.27	4.24	5.68	3.86	-999
8	48.52	-125.57	-999	-999	-999	-999
8	48.50	-125.24	-999	-999	-999	-999
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9	12.29	147.09	0.68	0.64	1.23	-999
9	12.24	147.26	0.70	0.64	1.01	-999
9	12.12	147.60	0.69	0.68	0.95	-999
9	12.06	147.76	0.67	0.69	0.97	-999
9	11.95	148.08	0.63	0.73	1.42	-999
9	11.90	148.24	0.65	0.72	1.22	-999
9	11.78	148.56	0.66	0.63	-999	-999
9	11.38	149.71	0.56	0.73	1.39	-999
9	11.32	149.88	0.60	0.72	1.43	-999
9	11.21	150.19	0.67	0.83	1.38	-999
9	11.22	150.19	0.59	0.82	1.32	-999
9	11.11	150.48	0.60	0.82	1.42	-999
9	10.99	150.84	0.67	0.76	-999	-999
9	10.88	151.15	0.68	0.72	1.27	-999
9	10.82	151.31	0.62	0.82	1.25	-999
9	10.72	151.61	0.63	1.06	1.61	-999
9	10.67	151.76	0.60	1.20	1.99	-999

9	10.56	152.06	0.57	0.91	1.78	-999
9	10.51	152.20	0.64	0.85	1.61	-999
9	10.40	152.53	0.50	0.74	1.73	-999
9	10.34	152.68	0.58	0.92	2.07	-999
9	10.24	152.98	0.52	1.04	2.24	-999
9	10.18	153.14	0.61	0.78	2.00	-999
9	10.07	153.45	0.59	0.85	2.35	-999
9	10.02	153.60	0.61	0.80	2.24	-999
9	9.91	153.93	0.61	1.04	2.23	-999
9	9.88	154.01	0.59	1.18	1.95	-999
9	9.80	154.22	0.62	1.05	1.83	-999
9	9.75	154.37	0.62	1.07	1.79	-999
9	9.62	154.74	0.67	0.96	1.61	-999
9	9.57	154.87	0.70	0.82	1.82	-999
9	9.50	155.07	0.70	0.80	1.67	-999
9	9.47	155.18	0.68	0.77	1.56	-999
9	9.39	155.38	0.61	0.85	1.87	-999
9	9.36	155.48	0.58	0.86	1.80	-999
9	9.29	155.69	0.56	0.91	1.89	-999
9	9.23	155.86	0.57	0.98	2.13	-999
9	9.18	156.00	0.50	0.96	1.72	-999
9	9.16	156.06	0.56	0.75	1.71	-999
9	9.11	156.19	0.51	1.01	1.69	-999
9	9.08	156.26	0.54	1.08	1.84	-999
9	9.04	156.38	0.65	1.00	2.03	-999
9	9.04	156.39	0.55	1.03	2.02	-999
9	8.99	156.54	0.56	0.96	1.99	-999
9	8.95	156.64	0.58	0.89	1.93	-999
9	8.83	156.98	0.66	0.98	1.82	-999
9	8.78	157.14	0.59	0.82	1.79	-999
9	8.66	157.47	0.62	1.00	1.87	-999
9	8.61	157.62	0.60	0.83	1.85	-999
9	8.49	157.94	0.62	0.87	1.82	-999
9	8.44	158.10	0.58	0.83	1.41	-999
9	8.33	158.41	0.56	0.89	1.69	-999
9	8.28	158.56	-999	-999	-999	-999
9	8.17	158.85	0.56	0.90	1.81	-999
9	8.12	159.01	0.55	0.92	1.76	-999
9	8.01	159.32	0.56	0.89	1.54	-999
9	7.96	159.47	0.59	0.92	1.56	-999
9	7.85	159.78	0.63	0.96	1.74	-999
9	7.79	159.93	0.56	0.81	1.84	-999
9	7.75	160.06	0.56	0.82	1.86	-999
9	7.69	160.21	0.56	0.77	1.87	-999
9	7.60	160.48	0.57	0.84	1.73	-999
9	7.56	160.60	0.55	0.74	1.55	-999
9	7.46	160.86	0.60	0.77	1.51	-999

9	7.42	160.98	0.60	0.80	1.71	-999
9	7.34	161.21	0.63	0.72	1.54	-999
9	7.30	161.33	0.60	0.83	1.68	-999
9	7.21	161.58	0.63	0.87	1.85	-999
9	7.17	161.70	0.63	0.84	1.87	-999
9	7.08	161.95	0.60	0.89	1.57	-999
9	7.04	162.08	0.61	0.92	1.84	-999
9	6.95	162.33	0.53	1.08	1.86	-999
9	6.90	162.46	0.54	1.18	1.64	-999
9	6.81	162.71	0.53	1.15	1.56	-999
9	6.77	162.83	0.53	0.98	1.63	-999
9	6.68	163.09	0.57	0.92	1.66	-999
9	6.66	163.13	0.55	1.01	1.68	-999
9	6.60	163.31	0.55	0.94	1.66	-999
9	6.56	163.42	0.57	0.97	1.62	-999
9	6.46	163.71	0.66	1.12	2.05	-999
9	6.42	163.83	0.64	0.92	2.18	-999
9	6.34	164.06	0.59	1.03	2.13	-999
9	6.29	164.18	0.60	1.04	1.87	-999
9	6.21	164.41	0.59	0.94	1.88	-999
9	6.17	164.53	0.51	1.10	2.26	-999
9	6.09	164.76	0.58	1.08	2.17	-999
9	6.04	164.88	0.61	1.00	2.03	-999
9	5.95	165.11	0.57	1.25	2.20	-999
9	5.91	165.23	0.58	1.17	1.99	-999
9	5.82	165.46	0.60	1.09	2.11	-999
9	5.77	165.58	0.54	1.11	2.32	-999
9	5.67	165.82	0.62	1.03	2.16	-999
9	5.63	165.94	0.61	1.19	2.29	-999
9	5.25	166.89	0.66	1.09	2.22	-999
9	5.20	167.01	0.57	1.13	2.21	-999
9	5.11	167.23	0.61	1.21	2.01	-999
9	5.06	167.35	0.59	1.16	2.08	-999
9	4.97	167.58	0.61	1.38	1.85	-999
9	4.92	167.71	0.65	1.15	1.99	-999
9	4.41	168.99	0.68	1.47	3.21	-999
9	4.36	169.10	0.65	1.43	2.48	-999
9	4.27	169.34	0.65	1.09	1.82	-999
9	4.22	169.45	0.65	0.95	1.80	-999
9	4.10	169.76	0.66	1.05	1.81	-999
9	4.05	169.88	0.69	1.09	1.93	-999
9	3.96	170.10	0.60	1.58	2.24	-999
9	3.92	170.22	0.65	1.70	2.24	-999
9	3.82	170.46	0.73	1.36	2.18	-999
9	3.77	170.57	0.69	1.34	2.20	-999
9	3.68	170.81	0.66	1.35	2.52	-999
9	3.63	170.93	0.59	1.19	2.39	-999

9	3.54	171.17	0.72	1.50	2.46	-999
9	3.49	171.28	0.72	1.43	2.31	-999
9	3.40	171.51	0.73	1.52	2.05	-999
9	3.35	171.63	0.64	1.43	2.38	-999
9	3.30	171.76	0.68	1.52	2.28	-999
9	3.27	171.84	0.73	1.58	2.23	-999
9	3.17	172.07	0.73	1.49	2.14	-999
9	3.13	172.19	0.74	1.24	1.83	-999
9	3.02	172.46	0.84	1.68	2.24	-999
9	2.97	172.57	0.92	1.82	1.84	-999
9	2.88	172.80	1.01	1.88	1.71	-999
9	2.84	172.91	1.01	1.62	1.51	-999
9	2.75	173.13	1.15	2.03	1.47	-999
9	2.70	173.24	0.98	1.78	1.55	-999
9	2.61	173.48	0.98	1.89	1.68	-999
9	2.57	173.59	0.99	1.90	1.72	-999
9	2.47	173.82	1.12	2.14	1.61	-999
9	2.42	173.94	1.08	2.23	1.46	-999
9	2.33	174.18	1.11	2.55	1.41	-999
9	2.28	174.29	1.07	2.41	1.43	-999
9	2.19	174.54	1.02	2.11	1.40	-999
9	2.16	174.61	0.97	2.03	1.56	-999
9	2.10	174.75	1.01	1.90	1.61	-999
9	2.06	174.86	1.06	2.06	1.51	-999
9	1.97	175.10	1.00	2.20	1.55	-999
9	1.92	175.22	1.02	2.20	1.54	-999
9	1.82	175.47	1.04	2.37	1.53	-999
9	1.77	175.58	1.03	2.44	1.38	-999
9	1.68	175.81	0.93	2.44	1.30	-999
9	1.63	175.93	0.97	2.40	1.40	-999
9	1.54	176.16	0.96	2.66	1.40	-999
9	1.49	176.28	0.98	2.77	1.47	-999
9	1.39	176.52	0.92	2.81	1.42	-999
9	1.35	176.63	0.85	2.76	1.49	-999
9	1.25	176.87	0.93	2.67	1.59	-999
9	1.20	176.99	0.92	2.76	1.74	-999
9	1.10	177.24	0.86	3.21	1.73	-999
9	1.05	177.37	0.93	3.07	1.69	-999
9	0.97	177.57	0.91	3.10	1.77	-999
9	0.96	177.58	0.87	2.89	1.66	-999
9	0.87	177.81	-999	-999	-999	-999
9	0.82	177.93	-999	-999	-999	-999
9	0.73	178.15	0.95	2.15	0.91	-999
9	0.68	178.28	0.93	2.03	0.95	-999
9	0.59	178.51	0.94	2.32	1.21	-999
9	0.55	178.62	0.89	2.49	1.47	-999
9	0.46	178.85	0.84	2.99	1.67	-999

9	0.41	178.96	0.82	2.84	1.55	-999
9	0.33	179.18	0.90	2.94	1.36	-999
9	0.28	179.30	0.93	2.70	1.52	-999
9	0.19	179.53	0.89	3.19	1.47	-999
9	0.14	179.65	0.91	3.11	1.40	-999
9	0.04	179.90	0.84	3.35	1.35	-999
9	0.00	-179.99	0.85	3.42	1.37	-999
9	0.00	-179.73	0.84	3.39	1.50	-999
9	0.00	-179.60	0.82	3.57	1.46	-999
9	0.00	-179.36	0.79	2.91	1.48	-999
9	0.00	-179.23	0.85	2.79	1.56	-999
9	0.00	-178.98	0.81	2.95	1.87	-999
9	0.00	-178.84	0.89	2.72	1.97	-999
9	0.01	-178.59	0.98	2.74	1.77	-999
9	0.10	-178.50	0.99	2.65	1.52	-999
9	0.28	-178.33	0.86	2.72	1.22	-999
9	0.36	-178.24	0.86	2.79	1.16	-999
9	0.55	-178.06	0.77	2.85	1.46	-999
9	0.65	-177.97	0.76	2.80	1.14	-999
9	0.83	-177.78	0.69	3.12	1.11	-999
9	0.92	-177.69	0.73	2.80	1.28	-999
9	1.11	-177.51	0.73	3.24	1.22	-999
9	1.20	-177.42	0.70	3.06	1.20	-999
9	1.38	-177.24	0.77	2.84	1.33	-999
9	1.48	-177.15	0.76	2.86	1.39	-999
9	1.59	-177.03	0.67	2.56	1.22	-999
9	1.65	-176.98	0.65	2.43	1.20	-999
9	1.83	-176.79	0.66	2.14	1.30	-999
9	1.92	-176.70	0.67	2.27	1.45	-999
9	2.12	-176.51	0.67	2.85	1.39	-999
9	2.21	-176.41	0.67	2.86	1.26	-999
9	2.39	-176.23	0.77	2.88	1.24	-999
9	2.47	-176.14	0.84	2.76	1.23	-999
9	2.65	-175.96	0.86	2.56	1.02	-999
9	2.74	-175.87	0.78	2.35	1.06	-999
9	2.92	-175.68	0.88	2.29	0.88	-999
9	3.00	-175.59	0.85	2.76	1.01	-999
9	3.17	-175.41	0.74	3.08	1.24	-999
9	3.26	-175.32	0.81	2.71	1.43	-999
9	3.43	-175.14	0.93	2.63	1.19	-999
9	3.51	-175.05	0.98	2.37	1.25	-999
9	3.70	-174.87	1.01	2.50	1.29	-999
9	3.78	-174.79	0.94	2.74	1.37	-999
9	3.86	-174.71	0.99	2.43	1.21	-999
9	3.95	-174.62	0.99	2.06	1.17	-999
9	4.12	-174.45	0.90	2.45	1.26	-999
9	4.21	-174.35	0.88	2.25	1.16	-999

9	4.41	-174.13	0.80	2.38	1.08	-999
9	4.51	-174.03	0.76	2.26	1.17	-999
9	4.71	-173.83	0.79	2.46	1.10	-999
9	4.80	-173.74	0.81	2.14	1.17	-999
9	5.00	-173.56	0.87	2.31	1.47	-999
9	5.10	-173.46	0.87	2.06	2.59	-999
9	5.29	-173.26	0.89	1.81	2.96	-999
9	5.39	-173.16	0.89	1.86	3.04	-999
9	5.59	-172.96	0.83	1.42	2.86	-999
9	5.69	-172.86	0.84	1.34	2.64	-999
9	5.90	-172.65	0.81	1.45	2.47	-999
9	5.91	-172.65	0.77	1.48	2.58	-999
9	5.92	-172.47	0.86	1.45	2.40	-999
9	5.82	-172.37	0.86	1.45	2.73	-999
9	5.63	-172.18	0.87	1.55	2.73	-999
9	5.52	-172.05	0.84	1.62	2.67	-999
9	5.33	-171.86	0.84	1.79	1.54	-999
9	5.23	-171.77	0.87	1.85	0.98	-999
9	5.03	-171.58	0.90	2.36	0.69	-999
9	4.93	-171.47	0.90	2.44	0.91	-999
9	4.74	-171.28	0.80	2.22	1.13	-999
9	4.64	-171.18	0.76	2.42	1.39	-999
9	4.45	-170.99	0.85	2.55	1.47	-999
9	4.36	-170.90	0.94	2.52	1.40	-999
9	4.16	-170.70	0.91	2.38	1.47	-999
9	4.06	-170.60	0.95	2.27	1.43	-999
9	3.89	-170.43	0.90	2.22	1.83	-999
9	3.87	-170.41	0.92	2.16	1.72	-999
9	3.67	-170.21	0.89	2.17	1.72	-999
9	3.58	-170.12	0.93	2.12	1.57	-999
9	3.38	-169.92	0.88	2.11	1.36	-999
9	3.28	-169.82	0.97	2.11	1.49	-999
9	3.09	-169.62	1.01	2.05	1.18	-999
9	2.99	-169.53	0.91	2.14	1.24	-999
9	2.80	-169.33	0.93	2.27	1.60	-999
9	2.70	-169.23	0.87	2.15	1.84	-999
9	2.50	-169.04	0.86	2.23	1.84	-999
9	2.40	-168.94	0.87	2.46	2.12	-999
9	2.20	-168.74	0.82	3.19	1.76	-999
9	2.11	-168.65	0.82	3.11	1.70	-999
9	1.92	-168.46	0.83	3.08	1.49	-999
9	1.83	-168.36	0.75	3.16	1.57	-999
9	1.63	-168.17	0.71	3.22	1.50	-999
9	1.53	-168.07	0.64	3.13	1.41	-999
9	1.33	-167.87	0.66	3.25	1.46	-999
9	1.24	-167.77	0.73	3.55	1.40	-999
9	1.04	-167.58	0.86	3.58	1.72	-999

9	0.87	-167.40	0.79	2.55	1.69	-999
9	0.77	-167.31	0.79	2.77	1.67	-999
9	0.57	-167.11	0.72	3.26	1.34	-999
9	0.47	-167.01	0.71	3.44	1.26	-999
9	0.28	-166.81	0.71	3.52	1.78	-999
9	0.18	-166.71	0.73	3.59	1.81	-999
9	0.03	-166.56	0.77	3.31	1.71	-999
9	0.00	-166.53	0.75	3.22	1.62	-999
9	0.19	-166.34	0.73	3.11	1.64	-999
9	0.29	-166.24	0.71	3.29	1.59	-999
9	0.49	-166.04	0.66	3.69	1.54	-999
9	0.59	-165.94	0.66	3.66	1.88	-999
9	0.78	-165.75	0.78	3.03	2.49	-999
9	0.88	-165.65	0.70	2.82	2.19	-999
9	1.09	-165.44	0.79	2.71	2.22	-999
9	1.18	-165.35	0.76	2.84	1.90	-999
9	1.37	-165.16	0.82	2.47	1.69	-999
9	1.46	-165.07	0.83	2.26	1.66	-999
9	1.65	-164.88	0.86	2.13	1.83	-999
9	1.74	-164.78	0.94	2.30	1.62	-999
9	1.93	-164.60	0.97	2.23	1.39	-999
9	2.03	-164.50	0.95	2.22	1.35	-999
9	2.22	-164.31	0.90	2.00	1.43	-999
9	2.31	-164.21	0.89	1.92	1.53	-999
9	2.51	-164.02	0.95	2.09	1.64	-999
9	2.60	-163.92	0.95	2.23	1.60	-999
9	2.70	-163.82	0.99	2.07	1.55	-999
9	2.80	-163.73	1.02	1.98	1.54	-999
9	2.99	-163.53	0.94	1.80	1.40	-999
9	3.09	-163.43	1.00	1.82	1.28	-999
9	3.30	-163.22	1.02	1.99	1.44	-999
9	3.40	-163.12	0.97	2.17	1.46	-999
9	3.60	-162.92	1.00	2.31	1.49	-999
9	3.69	-162.82	0.95	2.08	1.57	-999
9	3.88	-162.63	1.00	2.27	1.43	-999
9	3.98	-162.54	0.98	2.17	1.47	-999
9	4.17	-162.35	0.99	2.01	1.67	-999
9	4.26	-162.25	1.02	1.98	1.59	-999
9	4.45	-162.06	1.02	1.97	1.63	-999
9	4.55	-161.96	0.95	1.87	1.86	-999
9	4.74	-161.77	1.03	2.08	1.83	-999
9	4.84	-161.67	1.00	2.01	1.65	-999
9	4.92	-161.59	1.02	2.15	1.59	-999
9	5.02	-161.49	0.92	2.05	1.62	-999
9	5.21	-161.30	0.93	2.13	1.58	-999
9	5.30	-161.20	0.92	1.94	1.69	-999
9	5.53	-160.97	0.94	1.85	1.57	-999

9	5.63	-160.88	0.91	2.06	1.63	-999
9	5.82	-160.69	0.96	1.71	1.56	-999
9	5.91	-160.59	0.97	1.52	1.50	-999
9	5.89	-160.42	0.97	1.63	1.46	-999
9	5.79	-160.35	1.01	1.58	1.57	-999
9	5.57	-160.19	1.02	1.70	1.43	-999
9	5.46	-160.12	0.92	1.75	1.46	-999
9	5.24	-159.96	0.94	1.79	1.42	-999
9	5.13	-159.88	0.96	1.86	1.44	-999
9	4.91	-159.72	0.90	1.91	1.49	-999
9	4.83	-159.67	0.90	2.28	1.54	-999
9	4.68	-159.57	0.89	2.17	1.46	-999
9	4.57	-159.49	0.93	2.05	1.60	-999
9	4.36	-159.34	0.96	2.11	1.51	-999
9	4.27	-159.24	0.90	2.09	1.59	-999
9	4.07	-159.01	0.85	2.09	1.61	-999
9	3.98	-158.92	0.84	2.52	1.44	-999
9	3.83	-158.70	0.85	2.39	1.71	-999
9	3.75	-158.61	0.93	2.36	1.43	-999
9	3.57	-158.40	0.87	2.56	1.24	-999
9	3.48	-158.30	0.86	2.47	1.20	-999
9	3.27	-158.12	0.84	2.61	1.34	-999
9	3.16	-158.03	0.76	2.60	1.34	-999
9	3.06	-157.88	0.85	2.79	1.42	-999
9	3.20	-157.88	0.80	2.55	1.49	-999
9	3.40	-157.88	0.75	2.41	1.43	-999
9	3.48	-157.88	0.80	2.27	1.49	-999
9	3.72	-157.75	0.82	2.47	1.50	-999
9	3.85	-157.76	0.75	2.25	1.38	-999
9	4.10	-157.86	0.85	2.24	1.09	-999
9	4.22	-157.92	0.86	2.15	1.17	-999
9	4.52	-158.05	0.79	1.96	1.13	-999
9	4.65	-158.11	0.89	2.05	1.11	-999
9	4.91	-158.22	0.92	1.95	1.25	-999
9	5.04	-158.28	0.91	1.96	1.34	-999
9	5.29	-158.39	0.90	1.94	1.38	-999
9	5.42	-158.44	0.87	1.87	1.34	-999
9	5.68	-158.54	0.93	1.61	2.12	-999
9	5.81	-158.58	0.97	1.41	2.12	-999
9	6.07	-158.67	0.94	1.52	1.79	-999
9	6.20	-158.72	0.89	1.61	1.64	-999
9	6.36	-158.78	0.89	1.79	1.36	-999
9	6.44	-158.76	0.98	1.89	1.35	-999
9	6.70	-158.67	0.91	1.91	1.30	-999
9	6.84	-158.66	0.94	1.63	1.27	-999
9	7.07	-158.57	0.95	1.61	1.18	-999
9	7.20	-158.55	0.96	1.67	1.22	-999

9	7.48	-158.51	0.95	1.20	1.78	-999
9	7.61	-158.48	0.94	1.47	1.92	-999
9	7.85	-158.38	0.97	1.57	1.50	-999
9	7.99	-158.38	0.92	1.51	1.67	-999
9	8.26	-158.38	1.03	1.12	2.47	-999
9	8.39	-158.38	1.00	1.10	2.51	-999
9	8.67	-158.37	0.89	1.11	2.37	-999
9	8.80	-158.37	0.91	0.98	2.58	-999
9	9.07	-158.36	0.96	1.21	2.83	-999
9	9.21	-158.35	0.90	1.10	2.79	-999
9	9.35	-158.34	0.95	1.03	2.66	-999
9	9.44	-158.26	0.96	1.07	2.49	-999
9	9.68	-158.20	0.97	1.05	2.50	-999
9	9.81	-158.19	0.90	0.98	2.46	-999
9	9.98	-158.03	0.92	0.95	2.12	-999
9	9.97	-158.11	0.95	1.12	2.04	-999
9	10.23	-158.00	0.90	0.98	2.10	-999
9	10.36	-157.95	0.85	1.15	2.02	-999
9	10.62	-157.88	0.84	0.90	2.03	-999
9	10.76	-157.88	0.83	0.92	1.97	-999
9	11.03	-157.88	0.76	0.80	2.24	-999
9	11.17	-157.88	0.78	0.69	2.42	-999
9	11.45	-157.88	0.74	0.93	2.38	-999
9	11.59	-157.88	0.78	0.93	2.58	-999
9	11.86	-157.88	0.74	1.01	2.52	-999
9	11.99	-157.88	0.76	0.98	2.35	-999
9	12.13	-157.88	0.78	1.07	2.29	-999
9	12.24	-157.83	0.79	0.84	2.43	-999
9	13.23	-157.76	0.86	0.96	2.38	-999
9	13.36	-157.77	0.80	0.95	2.02	-999
9	13.62	-157.78	0.79	1.11	2.05	-999
9	13.77	-157.78	0.86	0.93	2.24	-999
9	14.04	-157.80	0.85	1.04	2.22	-999
9	14.17	-157.81	0.85	0.91	2.24	-999
9	14.44	-157.81	0.78	1.01	2.44	-999
9	14.58	-157.82	0.81	1.01	2.39	-999
9	14.84	-157.81	0.83	1.21	2.44	-999
9	14.97	-157.81	0.85	1.04	2.02	-999
9	15.10	-157.81	0.82	1.09	2.12	-999
9	15.24	-157.81	0.80	1.06	2.22	-999
9	15.49	-157.85	0.81	1.09	2.57	-999
9	15.62	-157.87	0.82	0.94	2.59	-999
9	15.87	-157.88	0.86	1.00	2.02	-999
9	16.04	-157.88	0.85	0.94	1.98	-999
9	16.30	-157.88	0.91	0.96	1.85	-999
9	16.43	-157.88	0.86	0.86	2.04	-999
9	16.67	-157.88	0.87	0.85	2.24	-999

9	16.80	-157.88	0.89	0.89	2.40	-999
9	17.06	-157.89	0.94	0.93	2.36	-999
9	17.19	-157.89	0.94	0.88	2.58	-999
9	17.46	-157.88	0.99	1.07	2.59	-999
9	17.60	-157.88	0.95	0.97	2.68	-999
9	17.87	-157.88	0.89	1.09	2.58	-999
9	18.01	-157.88	0.89	1.03	2.80	-999
9	18.14	-157.88	1.00	0.96	2.72	-999
9	18.28	-157.88	0.99	0.97	2.65	-999
9	18.54	-157.88	0.96	1.13	2.81	-999
9	18.67	-157.87	1.02	1.15	2.38	-999
9	18.92	-157.88	0.91	1.05	2.30	-999
9	19.08	-157.88	0.92	0.97	2.58	-999
9	19.34	-157.88	0.98	0.93	2.67	-999
9	19.48	-157.88	0.95	0.85	2.71	-999
9	19.75	-157.88	0.98	0.99	2.58	-999
9	19.88	-157.88	1.03	1.15	2.48	-999
9	20.14	-157.89	0.93	0.94	2.91	-999
9	20.27	-157.88	0.91	0.82	2.74	-999
9	21.57	-157.38	1.11	1.36	4.13	-999
9	21.76	-157.29	1.07	1.17	3.15	-999
9	22.04	-157.16	1.11	1.14	3.22	-999
9	22.18	-157.09	1.09	1.08	3.25	-999
9	22.48	-156.96	1.14	1.07	2.78	-999
9	22.63	-156.88	1.15	1.05	2.85	-999
9	22.92	-156.74	1.13	0.94	2.49	-999
9	23.08	-156.67	1.13	0.94	2.67	-999
9	23.38	-156.53	1.12	1.03	3.07	-999
9	23.53	-156.46	1.15	1.04	2.84	-999
9	23.83	-156.31	1.14	1.11	2.84	-999
9	23.86	-156.30	1.14	1.05	2.83	-999
9	24.12	-156.17	1.13	0.99	3.36	-999
9	24.27	-156.10	1.12	0.99	3.26	-999
9	24.57	-155.96	1.09	0.90	2.48	-999
9	24.72	-155.88	1.20	0.97	2.45	-999
9	25.02	-155.74	1.15	1.08	2.26	-999
9	25.17	-155.67	1.13	1.06	2.64	-999
9	25.48	-155.52	1.16	1.10	2.63	-999
9	25.62	-155.45	1.15	1.09	2.52	-999
9	25.96	-155.29	1.12	1.09	2.43	-999
9	26.14	-155.20	1.14	1.03	3.10	-999
9	26.50	-155.03	1.11	1.10	3.20	-999
9	26.67	-154.94	1.12	1.07	2.91	-999
9	27.03	-154.77	1.20	1.10	1.89	-999
9	27.21	-154.68	1.15	0.97	2.15	-999
9	27.56	-154.51	1.13	1.14	2.65	-999
9	27.59	-154.49	1.13	1.12	2.76	-999

9	27.81	-154.38	1.09	1.14	2.65	-999
9	27.97	-154.30	1.12	1.04	2.64	-999
9	28.39	-154.10	1.16	1.02	2.26	-999
9	28.56	-154.01	1.36	1.00	1.99	-999
9	28.91	-153.84	1.33	1.13	3.08	-999
9	29.09	-153.75	1.37	1.20	3.50	-999
9	29.43	-153.58	1.33	1.17	3.49	-999
9	29.61	-153.49	1.32	1.10	3.49	-999
9	29.98	-153.31	1.41	1.32	3.11	-999
9	30.36	-153.11	1.54	1.27	3.91	-999
9	30.73	-152.93	1.52	1.34	4.27	-999
9	30.91	-152.83	1.52	1.34	4.40	-999
9	31.27	-152.65	1.70	1.44	5.43	-999
9	31.45	-152.56	1.79	1.34	4.33	-999
9	31.63	-152.47	1.74	1.31	3.89	-999
9	31.80	-152.38	1.82	1.35	2.85	-999
9	32.17	-152.19	1.82	1.44	2.57	-999
9	32.35	-152.10	1.82	1.42	3.14	-999
9	32.73	-151.90	1.85	1.49	3.89	-999
9	33.32	-151.59	1.73	1.42	3.90	-999
9	33.50	-151.50	1.84	1.42	4.89	-999
9	33.80	-151.34	1.83	1.47	4.51	-999
9	33.98	-151.25	1.85	1.52	4.36	-999
9	34.34	-151.06	1.94	1.71	3.06	-999
9	34.52	-150.96	1.94	1.49	3.05	-999
9	34.89	-150.77	1.93	1.60	3.23	-999
9	35.07	-150.67	1.89	1.61	3.51	-999
9	35.44	-150.47	1.94	1.74	3.61	-999
9	35.62	-150.38	1.96	1.71	3.47	-999
9	35.79	-150.29	2.00	1.84	3.59	-999
9	36.47	-149.92	2.09	1.72	3.80	-999
9	36.65	-149.82	2.14	1.60	3.92	-999
9	37.01	-149.63	2.24	1.81	4.65	-999
9	37.18	-149.53	2.10	1.79	4.02	-999
9	37.55	-149.33	2.80	2.11	4.66	-999
9	37.72	-149.24	2.99	2.05	5.16	-999
9	38.09	-149.03	2.58	2.10	5.23	-999
9	38.28	-148.94	2.56	2.04	4.94	-999
9	38.69	-148.94	2.53	2.07	3.61	-999
9	38.88	-148.94	2.81	2.31	4.65	-999
9	39.29	-148.94	3.09	2.24	4.22	-999
9	39.49	-148.94	2.76	2.21	5.02	-999
9	39.88	-148.94	2.78	2.33	5.29	-999
9	39.99	-148.94	3.16	2.55	4.94	-999
9	40.28	-148.94	3.32	2.78	3.49	-999
9	40.48	-148.94	3.35	2.82	5.19	-999
9	40.88	-148.94	3.25	3.86	5.27	-999

9	41.08	-148.94	3.46	3.50	3.89	-999
9	41.48	-148.94	3.37	3.96	4.51	-999
9	41.68	-148.94	3.24	3.76	4.01	-999
9	42.09	-148.94	2.91	3.00	3.29	-999
9	42.28	-148.95	2.86	2.72	4.10	-999
9	42.66	-148.94	3.03	3.86	5.18	-999
9	42.86	-148.94	3.02	3.35	5.10	-999
9	43.25	-148.94	2.68	2.51	3.80	-999
9	43.45	-148.94	2.65	2.42	3.37	-999
9	43.85	-148.94	2.78	2.48	3.81	-999
9	44.06	-148.94	2.88	2.49	3.90	-999
9	44.45	-148.94	2.90	2.58	4.10	-999
9	44.57	-148.94	2.80	2.55	4.41	-999
9	44.57	-148.94	2.84	2.58	4.42	-999
9	44.57	-148.94	2.91	2.52	4.36	-999
9	44.57	-148.74	2.96	2.38	4.17	-999
9	44.57	-148.54	2.96	2.20	3.82	-999
9	44.57	-148.10	2.92	2.41	3.68	-999
9	44.57	-147.90	2.79	2.32	3.41	-999
9	44.57	-147.53	2.77	2.44	3.60	-999
9	44.57	-147.48	2.78	2.42	3.73	-999
9	44.57	-147.41	2.85	2.61	3.67	-999
9	44.57	-147.16	2.82	2.42	3.46	-999
9	44.57	-146.68	2.67	2.56	3.42	-999
9	44.57	-146.43	2.91	2.49	3.45	-999
9	44.57	-145.95	2.79	2.49	4.75	-999
9	44.58	-145.70	2.90	2.30	4.17	-999
9	44.58	-145.21	3.75	2.32	3.62	-999
9	44.58	-145.00	3.56	2.29	3.75	-999
9	44.58	-144.74	3.41	2.37	3.70	-999
9	44.58	-144.49	3.15	2.41	3.24	-999
9	44.58	-144.00	2.93	2.27	3.01	-999
9	44.58	-143.75	2.85	2.42	3.04	-999
9	44.58	-143.25	2.77	2.22	3.29	-999
9	44.58	-143.00	2.99	2.25	3.49	-999
9	44.58	-142.50	2.82	2.26	2.22	-999
9	44.58	-142.43	2.87	2.17	2.51	-999
9	44.58	-142.44	2.97	2.33	2.62	-999
9	44.58	-142.44	2.99	2.29	2.76	-999
9	44.58	-142.13	2.96	2.21	3.05	-999
9	44.58	-141.89	2.86	2.16	2.80	-999
9	44.58	-141.40	2.87	2.09	2.62	-999
9	44.58	-141.15	2.82	2.08	2.72	-999
9	44.58	-140.84	2.95	2.14	2.41	-999
9	44.58	-140.64	2.98	2.15	2.44	-999
9	44.58	-140.15	3.87	2.50	2.94	-999
9	44.58	-139.90	3.24	2.04	2.23	-999

9	44.58	-139.42	3.08	2.10	2.59	-999
9	44.58	-138.31	3.14	2.31	3.74	-999
9	44.58	-138.09	3.01	2.15	2.52	-999
9	44.58	-137.60	2.99	2.18	2.32	-999
9	44.59	-137.36	3.18	1.95	2.56	-999
9	44.59	-136.87	3.47	2.44	5.83	-999
9	44.59	-136.62	3.32	2.19	4.50	-999
9	44.59	-136.41	2.89	2.10	2.78	-999
9	44.59	-136.41	2.87	2.02	3.04	-999
9	44.59	-136.41	2.91	2.02	3.08	-999
9	44.59	-136.33	2.93	2.05	2.97	-999
9	44.59	-135.84	3.05	2.14	3.96	-999
9	44.59	-135.60	3.00	1.90	2.30	-999
9	44.59	-135.11	2.89	1.92	2.15	-999
9	44.59	-134.86	2.93	1.94	2.27	-999
9	44.59	-134.36	2.94	2.18	3.51	-999
9	44.59	-134.11	2.80	2.23	4.44	-999
9	44.59	-133.62	2.62	2.01	3.49	-999
9	44.59	-133.39	2.81	1.97	3.90	-999
9	44.59	-132.90	2.61	2.04	3.67	-999
9	44.59	-132.66	2.66	2.11	3.47	-999
9	44.59	-132.17	2.49	2.05	3.53	-999
9	44.59	-131.93	2.49	1.88	3.80	-999
9	44.59	-131.44	2.46	1.83	3.42	-999
9	44.59	-131.19	2.62	1.79	4.00	-999
9	44.59	-130.99	2.55	1.90	3.23	-999
9	44.59	-130.99	2.57	1.92	3.41	-999
9	44.59	-130.98	2.59	2.01	3.40	-999
9	44.59	-130.98	2.59	1.94	3.60	-999
9	44.59	-130.68	2.46	1.84	3.53	-999
9	44.59	-130.39	2.40	1.93	3.59	-999
9	44.59	-129.81	2.39	1.99	3.52	-999
9	44.59	-129.51	2.49	1.73	3.35	-999
9	44.60	-128.92	2.42	1.81	2.27	-999
9	44.60	-128.62	2.49	1.74	3.42	-999
9	44.60	-128.03	2.54	1.87	3.58	-999
9	44.60	-127.74	2.51	1.77	3.41	-999
9	44.60	-127.14	2.29	1.69	2.98	-999
9	44.60	-126.84	2.39	1.78	3.08	-999
9	44.60	-126.24	2.66	1.78	4.35	-999
9	44.60	-125.93	2.59	2.05	2.96	-999
9	44.59	-125.34	3.09	2.80	2.99	-999
9	44.57	-125.06	3.10	3.38	2.88	-999
9	44.58	-124.77	3.53	4.42	3.92	-999
9	44.57	-124.50	4.20	7.92	4.54	-999
10	10.79	173.08	1.38	0.72	0.56	-999
10	10.88	173.32	1.65	0.84	0.73	-999

10	11.05	173.80	1.84	0.67	0.66	-999
10	11.14	174.03	1.71	0.72	0.79	-999
10	11.32	174.51	1.18	0.49	0.68	-999
10	11.41	174.75	1.31	0.61	0.76	-999
10	11.58	175.21	1.11	0.50	0.72	-999
10	11.67	175.45	1.30	0.63	0.77	-999
10	13.61	-179.25	-999	-999	-999	-999
10	13.73	-178.93	-999	-999	-999	-999
10	13.90	-178.45	-999	-999	-999	-999
10	14.02	-178.13	-999	-999	-999	-999
10	14.20	-177.64	-999	-999	-999	-999
10	14.32	-177.31	-999	-999	-999	-999
10	14.50	-176.81	-999	-999	-999	-999
10	14.62	-176.48	-999	-999	-999	-999
10	14.81	-175.97	-999	-999	-999	-999
10	14.93	-175.64	-999	-999	-999	-999
10	15.11	-175.14	-999	-999	-999	-999
10	15.22	-174.84	-999	-999	-999	-999
10	15.38	-174.39	-999	-999	-999	-999
10	15.49	-174.09	-999	-999	-999	-999
10	15.65	-173.65	-999	-999	-999	-999
10	15.77	-173.35	-999	-999	-999	-999
10	15.93	-172.89	-999	-999	-999	-999
10	16.04	-172.58	-999	-999	-999	-999
10	16.21	-172.12	-999	-999	-999	-999
10	16.32	-171.81	-999	-999	-999	-999
10	16.49	-171.35	-999	-999	-999	-999
10	16.60	-171.04	-999	-999	-999	-999
10	16.77	-170.56	-999	-999	-999	-999
10	16.89	-170.24	-999	-999	-999	-999
10	17.04	-169.81	-999	-999	-999	-999
10	17.14	-169.53	-999	-999	-999	-999
10	17.29	-169.12	-999	-999	-999	-999
10	17.54	-168.42	-999	-999	-999	-999
10	17.64	-168.14	-999	-999	-999	-999
10	17.79	-167.72	-999	-999	-999	-999
10	17.90	-167.43	-999	-999	-999	-999
10	18.05	-167.00	-999	-999	-999	-999
10	18.16	-166.71	-999	-999	-999	-999
10	18.31	-166.27	-999	-999	-999	-999
10	18.41	-165.98	-999	-999	-999	-999
10	18.57	-165.55	-999	-999	-999	-999
10	18.66	-165.30	-999	-999	-999	-999
10	18.80	-164.92	-999	-999	-999	-999
10	18.89	-164.66	-999	-999	-999	-999
10	19.02	-164.28	-999	-999	-999	-999
10	19.11	-164.04	-999	-999	-999	-999

10	19.23	-163.70	4.28	0.54	1.06	-999
10	19.29	-163.52	4.90	0.74	0.92	-999
10	19.42	-163.17	3.84	0.72	1.02	-999
10	19.48	-163.00	4.37	0.66	0.97	-999
10	19.60	-162.66	1.70	0.78	0.92	-999
10	19.66	-162.49	1.50	0.70	1.00	-999
10	19.79	-162.12	1.39	0.68	0.92	-999
10	19.86	-161.93	1.47	0.79	1.36	-999
10	19.98	-161.58	1.66	0.73	0.97	-999
10	20.04	-161.41	1.73	0.75	1.19	-999
10	20.17	-161.04	4.05	0.94	1.50	-999
10	20.24	-160.86	3.85	0.89	1.20	-999
10	20.37	-160.50	2.75	0.67	0.79	-999
10	20.43	-160.32	2.32	0.76	1.10	-999
10	20.55	-159.97	1.39	0.73	1.02	-999
10	20.62	-159.79	1.54	0.78	1.53	-999
10	20.74	-159.44	1.17	0.71	1.37	-999
10	20.80	-159.27	1.24	0.70	1.41	-999
10	20.92	-158.92	1.29	0.69	1.10	-999
10	20.98	-158.75	1.71	0.74	1.58	-999
10	21.10	-158.41	1.20	0.54	1.27	-999
10	21.16	-158.23	1.45	0.75	1.57	-999
10	21.24	-158.01	6.16	1.78	1.51	-999
10	21.62	-158.39	4.59	0.85	2.49	-999
10	21.85	-158.50	4.68	1.03	1.89	-999
10	22.29	-158.70	5.52	1.43	2.05	-999
10	22.51	-158.80	3.41	1.07	1.88	-999
10	22.94	-159.01	2.73	1.04	2.83	-999
10	23.16	-159.11	3.17	1.09	2.61	-999
10	23.60	-159.32	2.17	0.89	2.78	-999
10	23.83	-159.43	2.20	0.98	2.66	-999
10	24.27	-159.64	2.18	0.86	2.69	-999
10	24.48	-159.74	2.25	0.89	2.76	-999
10	24.92	-159.95	2.10	0.86	2.84	-999
10	25.14	-160.05	1.81	0.84	2.82	-999
10	25.56	-160.25	1.96	0.86	2.98	-999
10	25.77	-160.36	1.96	0.87	2.86	-999
10	26.22	-160.57	1.97	0.88	3.04	-999
10	26.44	-160.68	2.15	0.91	3.01	-999
10	26.87	-160.89	2.13	0.95	3.02	-999
10	27.09	-160.99	2.11	0.92	2.85	-999
10	27.52	-161.20	2.06	0.96	2.69	-999
10	27.73	-161.31	1.78	0.85	2.59	-999
10	28.16	-161.52	1.74	0.84	2.66	-999
10	28.37	-161.62	1.94	0.83	2.78	-999
10	28.79	-161.83	1.99	0.84	3.15	-999
10	29.01	-161.94	1.92	0.88	2.97	-999

10	29.45	-162.15	1.97	0.85	2.54	-999
10	29.66	-162.26	2.03	0.88	2.73	-999
10	30.08	-162.47	2.42	0.89	2.64	-999
10	30.30	-162.58	2.11	0.88	2.45	-999
10	30.74	-162.80	1.76	0.85	1.82	-999
10	30.96	-162.91	1.81	0.82	1.93	-999
10	31.38	-163.12	1.91	0.83	2.20	-999
10	31.59	-163.24	1.99	0.86	2.28	-999
10	32.01	-163.45	2.15	0.87	2.18	-999
10	32.21	-163.55	-999	-999	-999	-999
10	32.83	-163.87	2.11	0.85	2.22	-999
10	33.05	-163.98	2.19	0.89	2.30	-999
10	33.46	-164.19	1.79	0.85	1.98	-999
10	33.66	-164.30	1.82	0.88	2.04	-999
10	34.06	-164.51	1.78	0.89	1.78	-999
10	34.26	-164.61	-999	-999	-999	-999
10	34.66	-164.82	2.07	1.00	1.96	-999
10	34.86	-164.92	2.23	1.07	1.90	-999
10	34.90	-164.92	2.06	1.05	1.69	-999
10	34.93	-164.92	2.03	1.01	1.69	-999
10	34.99	-164.91	2.05	1.04	1.63	-999
10	34.94	-164.96	1.97	1.04	1.67	-999
10	34.94	-164.90	2.04	0.98	1.67	-999
10	34.94	-164.90	2.07	0.99	1.58	-999
10	34.94	-164.90	2.09	1.02	1.61	-999
10	34.97	-164.94	2.06	1.00	1.72	-999
10	35.39	-165.00	2.56	1.15	1.86	-999
10	35.61	-165.00	2.49	1.14	1.89	-999
10	36.07	-165.00	2.47	1.18	1.80	-999
10	36.30	-165.00	4.21	1.37	1.88	-999
10	36.75	-165.00	1.89	1.16	1.79	-999
10	36.98	-165.00	1.96	1.25	1.95	-999
10	37.42	-165.00	2.11	1.37	1.62	-999
10	37.65	-165.00	2.14	1.54	1.58	-999
10	38.11	-165.00	2.16	1.51	1.68	-999
10	38.34	-165.00	2.28	1.47	1.78	-999
10	38.80	-165.00	2.64	1.70	2.20	-999
10	39.03	-165.00	2.60	1.66	2.48	-999
10	39.50	-165.00	2.53	1.62	2.30	-999
10	39.73	-165.00	2.53	1.57	2.17	-999
10	40.18	-165.00	2.74	1.68	2.88	-999
10	40.41	-165.00	3.42	1.93	3.26	-999
10	40.89	-165.00	3.03	1.94	2.89	-999
10	41.12	-165.00	2.91	1.94	2.32	-999
10	41.58	-165.00	3.06	1.86	2.31	-999
10	41.81	-165.00	3.08	1.98	2.52	-999
10	42.24	-165.00	3.24	1.87	2.09	-999

10	42.47	-165.00	3.09	1.85	2.02	-999
10	42.94	-165.00	4.15	1.88	2.12	-999
10	43.17	-165.00	3.27	1.88	1.97	-999
10	43.66	-165.00	3.44	1.91	2.24	-999
10	43.90	-165.00	3.39	2.02	2.47	-999
10	44.38	-165.00	3.66	2.27	2.67	-999
10	44.60	-165.00	3.83	2.27	2.73	-999
10	45.02	-165.00	4.36	2.49	3.42	-999
10	45.23	-165.00	-999	-999	3.98	-999
10	45.68	-165.00	5.84	2.95	4.21	-999
10	45.91	-165.00	5.64	2.93	3.99	-999
10	46.37	-165.00	5.14	2.56	2.76	-999
10	46.59	-165.00	4.96	2.45	2.91	-999
10	47.02	-165.00	4.26	2.34	3.00	-999
10	47.24	-165.00	4.37	2.52	2.64	-999
10	47.71	-165.00	4.25	2.69	3.28	-999
10	47.93	-165.00	4.57	2.62	3.38	-999
10	48.38	-165.00	4.44	2.59	2.80	-999
10	48.61	-165.00	4.51	2.59	2.96	-999
10	49.07	-165.00	4.33	2.51	2.96	-999
10	49.29	-165.00	4.33	2.63	2.86	-999
10	49.75	-165.00	5.34	2.84	2.80	-999
10	49.98	-165.00	6.20	2.87	2.74	-999
10	50.16	-165.03	6.26	3.02	2.77	-999
10	50.38	-165.11	5.45	2.74	2.97	-999
10	50.50	-165.13	5.46	2.66	2.87	-999
10	50.57	-164.87	5.60	2.67	3.28	-999
10	50.51	-164.88	5.33	2.68	2.79	-999
10	50.53	-164.87	5.37	2.75	2.89	-999
10	50.53	-164.94	5.38	2.80	2.72	-999
10	50.54	-164.95	5.43	2.81	2.71	-999
10	50.53	-164.93	5.38	2.78	2.91	-999
10	50.51	-164.94	5.27	2.63	2.94	-999
10	50.89	-165.11	5.74	2.84	2.71	-999
10	51.13	-165.18	5.76	2.87	2.72	-999
10	51.58	-165.31	6.10	2.66	2.51	-999
10	51.81	-165.38	5.60	2.75	2.76	-999
10	52.28	-165.52	6.13	3.09	3.17	-999
10	52.51	-165.58	6.44	3.08	2.80	-999
10	52.94	-165.72	6.64	2.98	3.25	-999
10	53.16	-165.78	8.79	3.29	3.12	-999
10	53.58	-165.91	21.18	6.54	2.15	-999
10	53.78	-165.97	43.61	10.02	3.94	-999
10	54.33	-165.74	41.70	10.19	4.01	-999
10	54.29	-165.39	30.93	7.41	3.26	-999
10	54.09	-164.66	46.34	12.33	4.01	-999
10	54.03	-164.28	38.95	8.89	2.41	-999

10	53.88	-163.55	19.84	5.99	1.51	-999
10	53.80	-163.19	20.99	6.92	2.61	-999
10	53.63	-162.51	14.15	4.60	3.23	-999
10	53.57	-162.16	11.43	4.11	3.33	-999
10	53.42	-161.44	8.87	3.56	2.94	-999
10	53.34	-161.06	8.52	3.58	2.93	-999
10	53.17	-160.30	7.85	3.23	3.84	-999
10	53.10	-159.98	7.22	2.94	2.67	-999
10	52.86	-158.88	7.48	2.94	3.03	-999
10	52.71	-158.18	7.53	2.91	3.31	-999
10	52.63	-157.83	6.35	2.97	2.97	-999
10	52.64	-157.30	5.94	2.86	2.65	-999
10	52.63	-157.36	6.06	2.85	2.83	-999
10	52.63	-157.42	6.16	2.94	2.83	-999
10	52.64	-157.21	6.25	3.05	2.77	-999
10	52.66	-156.90	6.04	3.06	2.76	-999
10	52.67	-156.89	6.38	2.98	2.81	-999
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10	52.60	-157.03	5.57	3.21	2.65	-999
10	52.60	-157.06	5.20	3.03	2.62	-999
10	52.63	-157.11	5.65	2.63	2.55	-999
10	52.63	-157.13	6.19	3.08	2.66	-999
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10	52.65	-156.95	5.52	2.92	2.49	-999
10	52.65	-156.89	5.62	2.77	2.46	-999
10	52.65	-156.92	5.65	2.81	2.50	-999
10	52.56	-156.83	5.61	2.86	2.54	-999
10	52.44	-156.61	5.55	2.86	2.60	-999
10	52.16	-156.24	5.67	2.81	2.74	-999
10	52.12	-156.34	5.76	2.78	2.38	-999
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10	52.07	-156.71	6.02	2.92	2.39	-999
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10	52.10	-156.80	5.97	2.91	2.74	-999
10	52.08	-156.75	5.82	2.86	2.61	-999
10	52.09	-156.73	5.98	2.87	2.29	-999
10	52.09	-156.64	5.98	2.78	2.23	-999
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10	52.08	-156.69	5.44	2.81	2.42	-999
10	52.08	-156.69	5.37	2.92	2.55	-999

10	52.08	-156.69	5.45	2.83	2.56	-999
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10	52.08	-156.69	5.55	2.78	2.30	-999
10	52.08	-156.67	5.41	2.72	2.21	-999
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10	52.08	-156.65	5.35	2.97	2.38	-999
10	51.96	-155.95	5.58	2.91	2.30	-999
10	51.89	-155.55	5.82	2.93	2.15	-999
10	51.75	-154.77	5.93	2.88	2.28	-999
10	51.69	-154.39	5.65	2.96	2.31	-999
10	51.55	-153.60	5.38	2.89	2.39	-999
10	51.48	-153.21	5.38	2.85	2.26	-999
10	51.34	-152.43	5.43	2.84	2.23	-999
10	51.27	-152.04	5.59	2.74	2.64	-999
10	51.13	-151.28	6.10	2.80	2.33	-999
10	51.07	-150.90	5.57	2.71	2.22	-999
10	50.93	-150.14	5.58	2.76	2.14	-999
10	50.86	-149.76	5.41	2.79	2.00	-999
10	50.73	-149.03	5.35	2.71	2.16	-999
10	50.73	-148.99	5.27	2.67	2.07	-999
10	50.75	-149.06	5.66	2.62	2.10	-999
10	50.75	-149.04	5.63	2.61	2.17	-999
10	50.62	-148.42	4.88	2.55	2.82	-999
10	50.55	-148.03	4.54	2.58	2.68	-999
10	50.41	-147.26	4.36	2.56	2.75	-999
10	50.34	-146.89	4.37	2.58	2.84	-999
10	50.21	-146.14	4.20	2.62	2.72	-999
10	50.14	-145.76	4.19	2.55	2.71	-999
10	50.00	-145.02	4.10	2.52	2.51	-999
10	50.00	-145.00	4.40	2.52	2.48	-999
10	50.00	-145.00	4.33	2.45	2.50	-999
10	50.00	-145.00	4.33	2.47	2.50	-999
10	50.01	-144.94	4.36	2.52	2.44	-999
10	50.04	-144.83	4.40	2.66	2.46	-999
10	50.03	-144.89	4.46	2.65	2.55	-999
10	49.99	-144.99	4.39	2.67	2.61	-999
10	49.98	-145.05	4.27	2.63	2.54	-999
10	50.01	-144.97	4.26	2.64	2.44	-999
10	50.01	-144.91	4.30	2.56	2.41	-999
10	50.11	-144.88	4.29	2.55	2.52	-999
10	50.12	-144.94	4.32	2.51	2.36	-999
10	50.04	-145.09	4.20	2.60	2.26	-999
10	50.00	-145.30	3.95	2.59	2.48	-999
10	50.00	-145.33	3.82	2.68	2.57	-999
10	50.00	-145.51	3.76	2.50	2.70	-999
10	49.99	-145.64	3.83	2.52	2.64	-999
10	50.00	-145.93	4.54	2.60	2.71	-999

10	50.00	-145.93	4.70	2.78	2.80	-999
10	50.00	-146.25	4.81	2.23	2.77	-999
10	50.00	-146.25	4.46	2.41	2.67	-999
10	50.00	-146.57	4.37	3.09	2.65	-999
10	50.03	-146.52	4.30	2.91	2.65	-999
10	50.36	-146.02	4.33	2.70	2.43	-999
10	50.52	-145.76	4.81	2.76	2.53	-999
10	50.85	-145.24	4.78	2.76	2.33	-999
10	51.00	-145.00	4.48	2.72	2.25	-999
10	50.81	-145.00	4.51	2.66	2.26	-999
10	50.79	-145.00	4.61	2.68	2.26	-999
10	50.58	-145.00	4.35	2.62	2.39	-999
10	50.44	-145.00	4.25	2.71	2.46	-999
10	50.30	-145.00	4.49	2.67	2.39	-999
10	50.22	-145.00	4.50	2.68	2.35	-999
10	50.10	-145.00	4.40	2.53	2.28	-999
10	50.04	-144.96	4.47	2.55	2.37	-999
10	50.03	-144.88	4.35	2.56	2.31	-999
10	50.01	-144.91	4.35	2.59	2.38	-999
10	50.53	-148.92	5.80	2.70	1.13	-999
10	50.58	-149.15	5.74	2.64	0.75	-999
10	50.68	-149.65	5.54	2.57	0.69	-999
10	50.74	-149.94	5.25	2.60	0.65	-999
10	50.87	-150.59	5.59	2.58	0.71	-999
10	50.94	-150.92	5.93	2.45	0.64	-999
10	51.07	-151.57	5.84	2.57	0.94	-999
10	51.14	-151.89	5.55	2.64	0.74	-999
10	51.27	-152.55	5.35	2.57	0.41	-999
10	51.34	-152.90	5.87	2.53	0.42	-999
10	51.48	-153.61	6.12	2.55	0.38	-999
10	51.55	-153.94	6.11	2.48	0.42	-999
10	51.69	-154.67	7.17	2.44	0.31	-999
10	51.76	-155.02	7.65	2.48	0.31	-999
10	51.90	-155.73	6.04	2.26	0.34	-999
10	51.94	-155.92	5.88	2.44	0.31	-999
10	52.09	-156.67	6.26	2.68	0.96	-999
10	52.10	-156.64	6.61	2.85	1.14	-999
10	54.28	-154.82	5.73	2.69	1.12	-999
10	54.47	-154.67	6.17	2.76	1.19	-999
10	54.84	-154.36	5.90	2.69	1.03	-999
10	55.02	-154.20	-999	-999	-999	-999
10	55.38	-153.89	5.90	2.56	0.74	-999
10	55.56	-153.74	5.89	2.64	0.71	-999
10	55.90	-153.43	6.17	2.88	0.76	-999
10	56.07	-153.28	6.36	3.01	0.79	-999
10	56.42	-152.97	11.00	4.29	0.91	-999
10	56.58	-152.83	9.38	3.55	0.80	-999

10	56.92	-152.53	9.78	3.45	0.89	-999
10	57.08	-152.38	12.22	4.58	1.57	-999
10	57.43	-152.07	-999	-999	-999	-999
10	57.59	-152.02	-999	-999	-999	-999
10	57.65	-151.93	21.64	5.67	1.54	-999
10	57.36	-151.31	14.43	4.34	1.05	-999
10	57.21	-151.00	12.58	4.22	1.06	-999
10	56.89	-150.33	7.50	2.80	0.55	-999
10	56.74	-150.02	16.84	2.81	0.48	-999
10	56.43	-149.39	6.67	2.71	0.48	-999
10	56.29	-149.09	6.15	2.60	0.51	-999
10	56.00	-148.50	5.80	2.59	0.57	-999
10	55.85	-148.20	6.34	2.72	0.95	-999
10	55.57	-147.63	5.35	2.74	1.84	-999
10	55.42	-147.34	5.52	2.70	1.67	-999
10	55.14	-146.77	9.06	2.77	1.67	-999
10	55.02	-146.51	5.94	2.87	1.36	-999
10	54.92	-146.48	5.89	2.80	1.46	-999
10	54.71	-146.41	5.58	2.73	1.20	-999
10	54.30	-146.29	5.63	2.90	1.52	-999
10	54.09	-146.23	5.44	2.85	1.48	-999
10	53.68	-146.11	5.28	2.78	1.54	-999
10	53.46	-146.05	5.73	2.88	1.70	-999
10	53.05	-145.93	6.80	2.81	1.86	-999
10	52.85	-145.87	5.93	2.79	1.81	-999
10	52.46	-145.76	4.93	2.84	1.48	-999
10	52.28	-145.70	5.36	2.82	1.47	-999
10	51.90	-145.58	5.21	2.82	1.70	-999
10	51.71	-145.51	5.21	2.68	1.59	-999
10	51.33	-145.38	5.18	2.74	2.04	-999
10	51.13	-145.33	4.96	2.77	2.10	-999
10	50.75	-145.22	-999	2.74	1.98	-999
10	50.55	-145.16	4.99	2.65	2.01	-999
10	50.14	-145.04	4.34	2.60	1.97	-999
10	50.00	-145.00	4.29	2.67	1.93	-999
10	49.90	-145.00	4.14	2.62	2.02	-999
10	49.80	-145.00	3.98	2.61	2.06	-999
10	49.70	-145.00	4.07	2.48	2.11	-999
10	49.60	-145.00	4.12	2.47	2.16	-999
10	49.94	-144.87	4.70	2.53	1.86	-999
10	50.00	-144.84	4.61	2.62	1.89	-999
10	50.00	-144.53	4.40	2.53	1.84	-999
10	50.00	-144.43	4.16	2.49	1.96	-999
10	50.00	-144.06	3.85	2.47	2.09	-999
10	50.00	-143.89	3.64	2.46	2.05	-999
10	50.00	-143.43	3.85	2.47	1.91	-999
10	50.00	-143.44	4.11	2.50	1.85	-999

10	50.21	-143.09	4.15	2.45	2.09	-999
10	50.37	-142.81	4.28	2.45	2.01	-999
10	50.70	-142.25	4.06	2.46	1.89	-999
10	50.87	-141.97	4.02	2.46	1.81	-999
10	51.19	-141.40	4.26	2.61	1.90	-999
10	51.36	-141.12	4.34	2.65	1.75	-999
10	51.67	-140.57	4.14	2.60	1.85	-999
10	51.83	-140.30	4.12	2.45	1.95	-999
10	51.95	-140.09	4.08	2.49	1.92	-999
10	51.85	-139.82	4.06	2.45	1.74	-999
10	51.63	-139.19	3.80	2.46	1.85	-999
10	51.53	-138.88	3.76	2.54	1.90	-999
10	51.32	-138.27	3.63	2.54	1.87	-999
10	51.20	-137.98	3.61	2.49	1.96	-999
10	50.61	-136.51	3.51	2.39	2.30	-999
10	50.49	-136.20	3.33	2.41	2.73	-999
10	50.24	-135.59	3.39	2.35	2.18	-999
10	50.12	-135.29	3.55	2.43	2.00	-999
10	50.04	-134.99	3.51	2.33	1.91	-999
10	50.02	-134.97	3.55	2.51	2.06	-999
10	49.96	-134.75	3.47	2.45	1.96	-999
10	49.87	-134.42	3.55	2.39	2.18	-999
10	49.68	-133.77	3.83	2.46	2.24	-999
10	49.59	-133.43	4.05	2.42	2.39	-999
10	49.41	-132.77	4.18	2.45	2.18	-999
10	49.33	-132.45	4.24	2.50	2.33	-999
10	49.16	-131.81	3.25	2.39	2.21	-999
10	49.07	-131.49	3.15	2.35	2.97	-999
10	48.94	-130.81	3.26	2.34	3.90	-999
10	48.87	-130.46	3.37	2.39	3.45	-999
10	48.77	-129.80	5.80	3.01	1.93	-999
10	48.69	-129.46	3.34	2.13	3.24	-999
10	48.58	-129.37	3.46	2.09	2.70	-999
10	48.68	-129.68	3.23	2.11	3.24	-999
10	48.68	-130.14	3.94	2.38	2.82	-999
10	48.51	-130.00	3.21	2.04	3.25	-999
10	48.29	-129.39	3.93	2.53	2.49	-999
10	48.36	-129.16	3.38	2.14	3.05	-999
10	48.61	-128.71	7.44	3.77	2.14	-999
10	48.59	-128.36	6.89	3.45	1.96	-999
10	48.56	-127.66	-999	-999	-999	-999
10	48.54	-127.32	10.41	4.38	3.14	-999
10	48.55	-126.62	11.83	4.99	4.44	-999
10	48.55	-126.27	13.09	5.68	3.86	-999
10	48.52	-125.57	-999	-999	-999	-999
10	48.50	-125.24	-999	-999	-999	-999
11	54.90	-9.24	10.08	-999	-999	2.00

11	55.11	-9.52	5.59	-999	8.67	2.00
11	55.31	-9.78	4.05	-999	10.94	2.00
11	55.97	-10.86	2.86	-999	7.41	2.00
11	56.22	-10.84	3.88	-999	6.63	2.00
11	56.47	-10.79	3.65	0.77	-999	2.00
11	56.66	-10.49	3.71	0.53	6.71	2.00
11	56.81	-10.25	3.57	0.59	-999	2.00
11	57.11	-10.51	3.64	-999	7.31	2.00
11	56.92	-11.49	2.80	1.07	-999	2.00
11	56.65	-11.93	6.75	2.20	21.37	2.00
11	56.54	-12.07	6.31	1.71	24.74	2.00
11	56.44	-12.27	6.24	-999	17.65	2.00
11	56.50	-12.17	5.90	1.87	14.26	2.00
11	55.81	-12.32	6.72	2.66	12.63	2.00
11	55.68	-12.31	6.23	2.48	20.88	2.00
11	55.58	-12.44	6.76	3.11	20.21	2.00
11	55.69	-11.91	7.15	3.46	22.34	2.00
11	56.39	-8.81	7.10	3.92	15.86	2.00
11	56.26	-8.77	5.91	-999	20.53	2.00
11	56.15	-8.78	6.42	-999	19.81	2.00
11	56.05	-8.87	6.21	-999	29.79	2.00
11	55.99	-9.00	5.76	-999	15.40	2.00
11	55.83	-9.22	7.08	2.84	30.07	2.00
11	56.27	-8.79	7.44	3.37	-999	2.00
11	56.70	-8.34	17.23	-999	17.11	2.00
11	56.89	-8.32	6.09	-999	-999	2.00
11	56.76	-8.32	22.68	6.47	-999	2.00
11	56.63	-8.36	18.36	4.68	15.87	2.00
11	56.53	-8.50	8.26	-999	10.82	2.00
11	56.42	-8.67	8.15	3.88	30.64	2.00
11	56.81	-7.91	21.19	6.14	26.60	2.00
11	57.24	-7.54	160.64	26.13	21.94	2.00
11	57.12	-7.55	84.36	18.33	16.06	2.00
11	57.02	-7.65	98.10	20.37	21.29	2.00
11	56.88	-7.83	36.52	1.83	31.86	2.00
11	56.75	-8.20	15.40	2.89	-999	2.00
11	56.67	-8.39	11.74	1.40	-999	2.00
11	56.54	-8.51	11.78	0.63	-999	2.00
11	56.50	-8.79	5.82	0.56	-999	2.00
11	56.86	-8.56	6.04	2.13	14.40	2.00
11	56.59	-8.24	11.19	0.64	16.44	2.00
11	56.59	-8.27	10.21	2.13	23.56	2.00
11	56.60	-8.29	12.13	3.34	22.98	2.00
11	56.68	-8.45	11.74	1.29	-999	2.00
11	56.76	-8.59	7.00	3.47	-999	2.00
11	56.90	-8.77	6.10	1.99	22.75	2.00
11	57.01	-8.93	5.61	1.36	13.75	2.00

11	56.90	-8.57	6.47	2.67	18.12	2.00
11	56.81	-8.30	12.25	1.66	8.20	2.00
11	56.89	-8.40	4.67	-999	10.85	2.00
11	56.99	-8.52	5.33	-999	9.07	2.00
11	57.09	-8.67	4.47	1.25	-999	2.00
11	56.87	-9.29	4.24	1.16	-999	2.00
11	56.07	-11.47	2.91	-999	-999	2.00
11	55.47	-12.94	3.52	-999	-999	2.00
11	55.17	-12.46	4.56	1.51	8.74	2.00
11	55.04	-12.25	2.70	0.80	7.49	2.00
11	54.85	-12.04	3.73	1.04	10.67	2.00
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12	26.02	-17.94	6.04	2.42	14.05	6.00
12	25.65	-18.24	4.47	1.57	8.17	6.00
12	25.15	-18.64	3.04	0.97	7.74	6.00
12	23.85	-19.67	14.98	5.01	19.68	6.00
12	22.61	-20.65	8.34	2.77	6.57	6.00
12	21.85	-21.24	15.00	4.80	23.97	6.00
12	20.98	-21.91	12.03	3.56	15.72	6.00
12	20.22	-22.50	9.35	2.30	13.42	6.00
12	18.13	-24.11	12.17	3.82	29.95	6.00
12	17.16	-22.57	9.72	4.57	26.32	6.00
12	17.23	-21.52	12.24	5.16	16.78	6.00
12	17.28	-20.75	18.38	8.31	36.49	6.00
12	17.29	-20.30	10.84	4.10	15.95	6.00
12	17.24	-19.89	8.02	2.81	9.02	6.00
12	17.16	-19.32	11.78	3.38	13.30	6.00
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12	17.22	-19.77	22.99	7.35	-999	6.00
12	17.17	-19.34	10.31	2.41	-999	6.00
12	17.12	-18.70	25.17	6.55	-999	6.00
12	17.13	-18.17	12.24	3.94	-999	6.00
12	17.14	-17.80	43.55	8.74	30.94	6.00
12	17.15	-17.44	16.71	4.21	-999	6.00
12	17.57	-18.50	12.21	2.80	-999	6.00
12	17.72	-17.95	25.38	5.86	-999	6.00
12	17.84	-17.60	18.65	5.59	17.59	6.00
12	17.93	-18.24	12.53	4.55	17.25	6.00
12	17.06	-19.11	9.31	3.92	-999	6.00
12	16.62	-19.64	9.00	3.40	13.52	6.00
12	16.57	-20.28	7.26	2.77	-999	6.00
12	16.52	-20.82	8.34	3.29	-999	6.00
12	16.50	-20.98	6.89	2.17	-999	6.00
12	16.34	-19.98	3.71	1.36	-999	6.00
12	16.36	-19.32	5.93	2.20	5.05	6.00
12	16.40	-18.89	11.37	4.00	11.48	6.00
12	16.48	-18.01	2.60	3.00	9.87	6.00
12	16.54	-17.35	13.37	3.85	-999	6.00

12	16.64	-16.74	21.77	6.79	14.53	6.00
12	17.01	-16.52	24.17	5.99	13.43	6.00
12	17.32	-17.42	18.54	4.35	-999	6.00
12	17.44	-17.80	30.62	5.98	21.92	6.00
12	17.56	-16.93	29.80	5.93	6.85	6.00
12	17.59	-16.57	42.10	6.53	7.70	6.00
12	18.12	-16.71	37.79	7.69	19.27	6.00
12	18.12	-17.90	9.94	2.24	-999	6.00
12	18.13	-18.28	14.57	3.93	-999	6.00
12	18.42	-17.32	24.09	5.04	-999	6.00
12	18.56	-16.93	23.22	5.19	19.39	6.00
12	18.76	-16.69	14.24	4.63	15.23	6.00
12	19.22	-16.77	16.76	5.43	16.35	6.00
12	19.71	-17.22	40.21	5.49	10.47	6.00
12	20.44	-17.84	18.34	4.39	7.24	6.00
12	20.75	-18.11	14.51	3.59	-999	6.00
12	21.05	-18.39	4.99	1.54	2.63	6.00
12	21.47	-18.31	8.51	1.83	-999	6.00
12	21.72	-17.99	14.38	3.82	-999	6.00
12	21.94	-17.71	8.96	2.44	-999	6.00
12	22.26	-17.24	14.39	4.59	11.97	6.00
12	22.72	-17.30	12.14	3.72	-999	6.00
12	23.08	-17.48	11.43	3.19	13.44	6.00
12	23.42	-17.66	4.53	1.77	17.91	6.00
12	24.41	-18.06	6.24	1.76	9.36	6.00
12	24.70	-17.75	5.20	1.73	-999	6.00
12	24.94	-17.48	5.66	1.58	12.02	6.00
12	25.44	-17.12	4.39	1.39	-999	6.00
12	26.27	-17.36	9.89	2.42	-999	6.00
12	27.35	-17.12	6.20	1.82	-999	6.00
12	27.71	-16.63	18.51	3.61	16.79	6.00
12	27.97	-16.28	22.76	3.78	-999	6.00
12	28.42	-15.85	6.97	1.69	6.61	6.00
12	29.00	-15.55	6.17	1.36	7.42	6.00
12	30.25	-15.14	6.27	1.63	9.90	6.00
12	31.10	-14.86	4.17	1.03	-999	6.00
12	32.02	-14.55	5.52	1.12	9.13	6.00
12	33.99	-13.88	2.37	0.80	12.76	6.00
12	34.89	-13.57	2.11	0.68	7.44	6.00
12	35.93	-13.20	2.67	0.86	4.00	6.00
12	40.04	-11.71	2.73	1.63	10.50	6.00
13	17.60	-24.30	1.63	1.20	3.31	-999
13	17.59	-24.31	1.49	1.34	3.70	-999
13	17.60	-24.30	1.33	1.23	3.42	-999
13	17.60	-24.30	1.18	1.18	1.79	-999
13	17.60	-24.30	1.32	1.24	3.05	-999
13	17.60	-24.30	1.09	1.15	2.26	-999

13	17.60	-24.30	1.20	1.22	5.40	-999
13	17.60	-24.30	1.12	1.23	3.34	-999
13	17.60	-24.30	1.09	1.17	2.84	-999
13	17.60	-24.30	1.04	1.03	2.78	-999
13	17.60	-24.30	1.04	1.06	1.71	-999
13	17.60	-24.30	1.09	1.09	2.16	-999
13	17.60	-24.30	1.06	1.10	2.42	-999
13	17.60	-24.30	1.01	1.06	3.83	-999
13	17.60	-24.30	1.10	1.06	3.25	-999
13	17.60	-24.31	1.14	1.13	3.51	-999
13	17.60	-24.30	1.16	1.13	2.24	-999
13	17.60	-24.30	1.18	1.09	3.54	-999
13	18.00	-21.00	1.86	1.48	1.96	-999
13	18.01	-21.01	2.51	1.81	0.40	-999
13	18.00	-21.00	1.91	1.50	0.50	-999
13	18.00	-21.00	2.26	1.59	0.99	-999
13	18.00	-21.00	2.56	1.78	0.78	-999
13	18.00	-21.00	3.02	1.88	0.71	-999
13	18.00	-21.00	2.87	1.97	0.66	-999
13	18.00	-21.00	2.92	1.88	0.73	-999
13	18.00	-21.00	2.86	1.86	1.02	-999
13	18.00	-21.00	2.72	1.86	2.00	-999
13	18.00	-21.00	3.11	1.90	2.67	-999
13	18.01	-21.02	2.91	1.80	0.96	-999
13	18.00	-21.00	3.25	1.93	3.06	-999
13	18.00	-21.00	3.32	1.90	3.80	-999
13	18.00	-21.00	3.47	1.96	2.51	-999
13	18.00	-21.00	3.26	1.91	1.88	-999
13	18.00	-21.00	3.66	1.98	3.87	-999
13	18.00	-21.00	3.56	2.04	2.20	-999
13	18.00	-21.00	3.79	2.07	3.02	-999
13	18.00	-21.00	3.77	2.17	1.68	-999
13	18.00	-18.35	7.71	3.86	2.77	-999
13	18.00	-18.00	11.26	3.77	0.18	-999
13	18.00	-18.00	25.54	4.93	0.48	-999
13	18.00	-18.00	23.41	4.55	1.75	-999
13	18.00	-18.00	20.27	4.07	0.98	-999
13	18.00	-18.00	16.90	3.99	0.71	-999
13	18.00	-18.00	17.68	4.05	1.37	-999
13	18.00	-18.00	15.56	3.90	0.46	-999
13	18.00	-18.00	15.59	3.89	2.12	-999
13	18.00	-18.00	15.23	3.88	1.53	-999
13	18.00	-18.00	15.00	3.92	1.17	-999
13	18.00	-18.00	14.05	3.81	1.73	-999
13	18.00	-18.00	14.10	3.95	1.12	-999
13	18.00	-18.00	13.70	3.87	1.86	-999
13	18.00	-18.00	15.88	3.78	0.74	-999

13	18.00	-18.00	14.13	4.06	1.87	-999
13	18.00	-18.01	14.08	3.87	1.06	-999
13	18.00	-18.00	12.52	3.06	1.17	-999
13	18.00	-16.79	4.52	1.71	1.08	-999
13	18.00	-16.70	4.60	2.11	4.12	-999
13	18.00	-16.53	9.31	4.52	0.43	-999
13	18.50	-16.50	10.12	5.07	1.58	-999
13	18.50	-16.53	8.11	4.14	1.05	-999
13	18.50	-16.50	10.78	5.14	1.02	-999
13	18.50	-16.50	10.32	5.04	1.09	-999
13	18.50	-16.50	10.52	5.06	2.41	-999
13	18.50	-16.51	9.68	4.93	1.07	-999
13	18.50	-16.51	9.30	4.97	1.36	-999
13	18.50	-16.50	11.08	5.33	0.71	-999
13	18.50	-16.50	14.06	6.10	0.76	-999
13	18.50	-16.50	12.33	5.66	0.97	-999
13	18.50	-16.50	11.93	5.56	1.75	-999
13	18.50	-16.50	12.48	5.55	0.58	-999
13	18.50	-16.50	14.66	6.06	0.67	-999
13	18.50	-16.50	14.06	5.90	2.20	-999
13	18.50	-16.50	14.15	5.88	3.35	-999
13	18.51	-16.50	14.41	5.84	3.42	-999
13	18.57	-16.50	14.10	5.81	2.98	-999
13	18.83	-16.50	29.57	8.63	1.18	-999
13	18.98	-16.55	27.84	8.13	4.22	-999
13	19.00	-16.57	29.05	8.51	2.05	-999
13	19.00	-16.57	28.31	8.61	1.26	-999
13	19.00	-16.57	29.07	9.06	3.59	-999
13	19.01	-16.57	27.44	8.61	0.14	-999
13	19.01	-16.57	27.80	8.80	1.70	-999
13	19.00	-16.57	26.12	8.67	0.31	-999
13	19.00	-16.57	26.37	8.27	0.51	-999
13	19.00	-16.57	16.89	5.62	2.39	-999
13	19.00	-16.57	26.95	8.66	1.61	-999
13	19.00	-16.57	42.39	9.32	2.69	-999
13	19.00	-16.57	39.97	9.09	1.35	-999
13	19.00	-16.57	31.93	8.59	1.42	-999
13	19.00	-16.57	34.92	9.42	4.49	-999
13	19.00	-16.57	32.07	9.01	3.66	-999
13	19.01	-16.58	31.17	8.83	1.39	-999
13	19.00	-16.57	29.55	8.88	3.00	-999
13	19.00	-16.57	29.65	9.00	3.16	-999
13	19.00	-16.57	28.70	8.08	2.91	-999
13	19.02	-16.59	29.04	9.04	3.76	-999
13	20.00	-17.25	17.49	5.81	1.14	-999
13	20.00	-17.25	16.71	5.36	1.51	-999
13	20.00	-17.25	16.54	5.30	0.79	-999

13	20.00	-17.25	16.30	5.12	1.58	-999
13	20.00	-17.25	16.28	5.27	3.10	-999
13	20.00	-17.25	14.02	5.32	1.93	-999
13	20.00	-17.25	12.91	5.38	2.36	-999
13	20.00	-17.25	12.77	5.16	1.83	-999
13	20.00	-17.25	13.47	5.19	2.39	-999
13	20.00	-17.25	13.48	4.99	1.49	-999
13	20.00	-17.25	15.16	5.16	1.73	-999
13	20.00	-17.25	15.77	4.99	3.45	-999
13	20.00	-17.25	16.98	5.30	2.64	-999
13	20.00	-17.25	16.44	4.85	2.13	-999
13	20.00	-17.25	16.93	5.03	2.95	-999
13	20.00	-17.25	17.45	5.05	1.19	-999
13	20.00	-17.25	13.27	4.56	1.59	-999
13	20.00	-17.25	14.07	4.77	2.18	-999
13	20.00	-17.25	15.76	5.08	3.39	-999
13	20.00	-17.25	14.64	4.79	1.40	-999
13	19.00	-16.57	0.18	0.05	0.01	8.00
13	20.00	-17.25	0.10	0.03	0.01	6.20
14	-4.00	-15.00	3.16	1.58	2.20	10.00
14	-2.02	-15.01	34.66	6.55	0.39	10.00
14	0.00	-15.00	6.12	3.58	9.36	10.00
14	2.00	-15.00	5.79	3.74	7.06	10.00
14	-5.01	-10.00	13.68	3.90	0.13	10.00
14	-3.01	-10.00	12.66	3.63	13.45	10.00
14	0.00	-9.88	13.66	4.57	4.87	10.00
14	-5.04	-5.01	4.73	1.40	0.32	10.00
14	-3.01	-5.01	4.53	2.02	4.28	10.00
14	-0.98	-5.05	5.08	2.86	5.78	10.00
14	-5.01	0.00	7.98	3.16	4.42	10.00
14	-3.01	0.00	19.93	5.49	7.39	10.00
14	-2.04	-0.09	16.35	4.49	6.00	10.00
14	2.83	-21.08	2.80	1.58	3.92	-999
14	2.72	-20.92	2.41	1.28	4.65	-999
14	2.60	-20.73	2.53	1.45	5.00	-999
14	1.76	-19.38	1.72	1.17	3.70	-999
14	1.67	-19.20	1.94	1.42	4.58	-999
14	1.52	-19.02	3.13	2.25	4.19	-999
14	1.12	-18.73	4.01	2.62	4.38	-999
14	0.95	-18.60	4.33	2.42	4.19	-999
14	0.79	-18.49	5.12	2.69	3.88	-999
14	0.60	-18.35	5.65	2.72	0.32	-999
14	0.12	-18.01	3.91	1.77	2.37	-999
14	-0.06	-17.88	1.95	1.53	2.86	-999
14	-0.21	-17.76	4.15	2.09	0.76	-999
14	-0.42	-17.61	4.32	2.22	0.20	-999
14	-0.63	-17.46	4.15	2.11	4.54	-999

14	-1.62	-16.74	6.09	2.24	0.05	-999
14	-2.04	-16.43	28.43	5.84	3.77	-999
14	-2.47	-16.12	33.54	5.82	5.25	-999
14	-2.83	-15.85	27.92	5.38	2.66	-999
14	-3.69	-15.23	8.18	1.90	3.05	-999
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14	-3.00	-15.00	24.55	4.67	4.14	-999
14	-2.78	-15.00	27.91	4.64	4.31	-999
14	-2.02	-15.01	34.66	6.55	0.39	-999
14	-1.99	-14.97	31.33	6.07	0.13	-999
14	-1.15	-15.00	12.81	1.43	0.07	-999
14	-1.05	-14.99	6.33	2.29	3.31	-999
14	-1.09	-14.99	4.36	2.11	4.20	-999
14	-1.12	-14.97	12.79	4.55	5.43	-999
14	-1.16	-14.94	5.97	3.09	5.36	-999
14	-0.27	-14.93	4.13	3.31	6.77	-999
14	0.42	-14.99	8.11	3.10	6.84	-999
14	1.00	-15.00	6.15	2.02	4.51	-999
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14	1.45	-14.60	7.57	3.82	4.23	-999
14	0.94	-14.24	9.69	3.30	0.15	-999
14	0.57	-13.98	11.10	3.81	5.72	-999
14	-0.98	-12.87	7.31	2.48	3.90	-999
14	-2.53	-11.77	34.90	7.43	6.68	-999
14	-2.85	-11.53	35.83	6.10	3.97	-999
14	-3.68	-10.94	7.28	3.17	4.73	-999
14	-4.28	-10.52	9.89	3.24	4.13	-999
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14	-4.82	-10.13	12.17	3.52	5.81	-999
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14	-2.99	-10.04	15.79	4.78	12.54	-999
14	-2.53	-10.04	29.08	6.41	9.94	-999
14	-2.08	-10.01	37.04	5.56	8.37	-999
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14	-1.74	-10.07	34.35	7.81	10.34	-999
14	-1.00	-10.00	19.73	5.34	8.98	-999
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14	0.64	-9.76	17.03	5.30	6.30	-999
14	1.26	-9.81	17.20	5.35	5.89	-999
14	1.24	-9.81	18.34	4.84	7.39	-999
14	0.37	-9.15	10.29	4.34	6.13	-999
14	0.09	-8.93	12.18	4.08	5.78	-999
14	-0.12	-8.76	13.53	4.41	6.96	-999

14	-0.35	-8.59	16.13	4.85	6.12	-999
14	-0.54	-8.44	18.71	5.33	6.18	-999
14	-0.73	-8.30	20.98	5.59	6.62	-999
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14	-2.61	-6.85	8.21	2.65	7.14	-999
14	-2.98	-6.56	7.37	3.20	8.93	-999
14	-3.38	-6.25	6.31	1.54	2.85	-999
14	-3.76	-5.96	13.56	3.35	5.36	-999
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14	-2.78	-4.99	5.40	1.75	7.40	-999
14	-2.00	-5.00	6.52	3.15	8.28	-999
14	-1.74	-4.99	5.52	2.75	6.40	-999
14	-1.10	-5.00	5.46	2.67	5.39	-999
14	-1.01	-5.01	4.62	2.67	4.93	-999
14	-0.97	-5.10	4.69	2.15	4.84	-999
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14	-0.94	-5.19	5.12	2.88	11.06	-999
14	-0.94	-5.21	3.45	1.95	6.26	-999
14	-0.62	-5.14	6.59	3.19	5.82	-999
14	0.02	-4.99	4.19	1.77	5.30	-999
14	1.01	-5.00	1.91	1.46	2.97	-999
14	0.38	-4.48	7.02	3.07	8.81	-999
14	-0.30	-3.92	3.31	1.00	3.71	-999
14	-2.15	-2.38	7.13	1.66	4.21	-999
14	-2.47	-2.11	6.18	1.47	1.77	-999
14	-2.66	-1.95	11.66	3.40	3.70	-999
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14	-4.98	0.00	9.09	3.16	3.89	-999
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14	-3.82	0.01	14.91	4.19	4.81	-999
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14	-2.53	0.00	23.37	5.48	7.35	-999
14	-1.18	-0.04	5.24	2.27	5.00	-999
14	-1.01	0.01	6.44	1.50	4.42	-999
14	-0.65	-0.06	6.22	2.06	4.37	-999
15	42.00	-10.58	11.44	4.37	3.52	0.30
15	36.33	-12.60	14.21	3.74	1.34	0.30

15	33.50	-13.87	9.62	2.01	0.78	0.30
15	27.95	-22.66	8.03	1.84	0.63	0.30
15	23.75	-27.08	5.38	1.27	2.68	0.30
15	18.02	-27.08	3.24	1.04	1.97	0.30
15	12.42	-28.51	5.90	1.67	2.82	0.30
15	9.33	-29.90	3.84	1.32	1.97	0.30
15	3.86	-29.25	5.30	1.09	3.38	0.30
15	-1.95	-29.95	3.96	-999	-999	0.30
15	-7.24	-28.75	2.33	0.75	2.04	0.30
15	-15.36	-31.51	2.65	0.98	2.68	0.30
15	-20.90	-34.40	3.96	2.24	4.16	0.30
15	-25.87	-36.95	1.66	1.21	5.14	0.30
15	-30.20	-39.28	1.62	-999	3.81	0.30
15	-34.07	-43.15	3.21	1.32	5.07	0.30
15	- 39, 65	-51.30	23.66	5.47	9.73	0.30
15	-46.00	-60.45	9.58	2.59	1.27	0.30
15	-60.10	-63.25	7.87	1.90	7.40	0.30
15	-62.27	-58.75	22.71	3.11	1.13	0.30
15	-62.33	- 57, 68	5.94	2.01	0.42	0.30
15	-62.20	-58.92	59.32	5.18	1.06	0.30
15	-62.13	-58.43	14.60	3.74	0.78	0.30
15	-63.29	-57.97	12.94	3.62	2.18	0.30
15	-62.98	-57.15	12.98	3.91	1.41	0.30
15	-62.28	-54.50	42.58	3.86	0.42	0.30
15	-62.28	-58.68	41.99	6.21	1.13	0.30
15	-63.66	-51.33	7.60	10.13	-999	0.30
15	-70.50	-7.92	4.35	-999	-999	0.30
15	-70.37	-3.62	-999	3.62	0.70	0.30
15	-69.22	0.92	4.23	0.81	-999	0.30
15	-70.42	12.80	1.39	1.15	-999	0.30
15	-68.67	10.45	0.79	0.46	0.56	0.30
15	-72.50	19.72	-999	5.47	8.74	0.30
15	-65.93	1.66	9.89	4.55	3.38	0.30
15	-69.53	3.88	17.02	5.35	8.88	0.30
15	-68.66	10.43	-999	0.63	1.62	0.30
15	-68.66	10.42	-999	-999	1.76	0.30
15	-69.22	0.90	2.18	1.15	3.03	0.30
16	67.27	3.53	3.75	0.84	0.69	-999
16	67.27	3.53	4.02	0.76	0.65	-999
16	67.18	7.50	3.18	0.64	0.70	-999
16	67.18	7.50	2.51	0.63	0.63	-999
16	67.22	6.10	3.58	0.48	0.44	-999
16	67.22	6.10	2.98	0.50	0.36	-999
16	67.91	6.36	1.40	0.48	0.46	-999
16	70.36	6.90	1.39	0.31	0.49	-999
16	70.36	6.90	1.38	0.41	0.47	-999
16	71.49	7.23	1.15	0.40	0.17	-999

16	71.49	7.23	1.56	0.47	0.22	-999
16	73.42	7.70	1.49	0.78	0.15	-999
16	73.42	7.70	1.28	0.52	0.17	-999
16	75.57	8.54	1.84	0.49	0.24	-999
16	76.83	9.04	2.26	0.66	0.20	-999
16	76.83	9.04	1.77	0.48	0.20	-999
16	78.05	9.56	5.54	0.64	0.34	-999
16	78.05	9.56	3.28	0.63	0.34	-999
16	79.06	11.30	26.80	1.29	0.81	-999
16	79.05	11.36	23.39	1.82	0.87	-999
16	79.05	11.36	33.25	1.78	1.10	-999
16	78.96	11.90	49.28	2.83	1.00	-999
16	78.96	11.90	43.67	2.65	0.89	-999
16	79.00	10.17	32.46	2.25	0.75	-999
16	79.00	10.17	35.77	2.54	0.75	-999
16	79.00	6.99	5.73	2.03	0.40	-999
16	79.00	6.99	5.07	1.53	0.48	-999
16	78.97	6.71	6.70	0.60	0.28	-999
16	78.97	6.71	5.37	0.57	0.27	-999
16	78.95	5.29	2.49	0.56	0.42	-999
16	78.98	5.29	1.97	0.36	0.31	-999
16	78.98	5.29	2.39	0.57	0.30	-999
16	78.98	4.91	2.03	0.39	0.71	-999
16	78.98	4.91	3.16	0.56	0.61	-999
16	79.20	2.95	2.61	0.60	0.79	-999
16	79.20	2.95	2.98	1.06	0.59	-999
16	79.84	8.05	1.95	0.64	0.35	-999
16	79.84	8.05	2.23	0.60	0.33	-999
16	80.35	7.72	1.88	0.47	0.39	-999
16	79.02	10.58	1.63	0.49	0.66	-999
16	79.02	10.58	14.86	1.07	0.56	-999
16	79.02	10.69	19.18	1.24	0.65	-999
16	78.98	11.77	278.32	3.31	1.54	-999
16	78.98	11.77	282.56	3.62	1.27	-999
16	78.30	7.64	43.03	2.73	0.26	-999
16	78.30	7.64	37.88	2.35	0.21	-999
16	77.02	9.28	6.70	0.52	0.16	-999
16	77.02	9.28	6.71	0.51	0.14	-999
16	75.82	10.91	3.36	0.62	0.17	-999
16	75.82	10.91	1.57	0.45	0.14	-999
16	73.64	13.84	1.20	0.49	0.89	-999
16	73.64	13.84	1.98	0.37	0.69	-999
16	73.66	13.78	4.68	0.57	0.76	-999
16	73.66	13.78	4.73	0.48	0.63	-999
16	71.78	12.40	2.32	0.69	0.78	-999
16	71.78	12.40	2.42	0.45	0.78	-999
16	70.14	11.23	4.47	0.62	0.95	-999

16	63.99	7.34	5.69	0.60	0.83	-999
17	-53.71	-36.80	18.45	-999	0.78	6.00
17	-53.58	-36.86	16.01	-999	0.91	6.00
17	-53.45	-36.93	31.77	-999	1.34	6.00
17	-53.32	-37.00	46.70	-999	1.70	6.00
17	-53.19	-37.06	51.95	-999	3.13	6.00
17	-53.07	-37.11	28.59	-999	3.07	6.00
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17	-52.80	-37.10	24.57	-999	1.94	6.00
17	-52.68	-37.20	25.85	-999	1.56	6.00
17	-52.55	-37.30	28.26	-999	1.48	6.00
17	-52.42	-37.43	25.34	-999	1.44	6.00
17	-52.29	-37.47	28.45	-999	2.09	6.00
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17	-52.03	-37.61	15.28	-999	1.56	6.00
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17	-51.78	-37.73	28.71	-999	2.48	6.00
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17	-51.89	-56.50	7.17	-999	0.96	6.00
17	-52.57	-57.90	15.78	-999	0.93	6.00
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17	-52.93	-58.01	11.95	-999	0.80	6.00
17	-53.16	-58.08	9.72	-999	1.02	6.00
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17	-55.98	-57.72	8.41	-999	1.11	6.00
17	-56.37	-57.49	5.02	-999	0.62	6.00
17	-56.48	-57.43	4.97	-999	-0.01	6.00
17	-57.11	-56.97	5.18	-999	1.31	6.00
17	-57.80	-56.60	11.08	-999	1.23	6.00
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17	-58.25	-56.31	6.11	-999	0.68	6.00
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17	-58.76	-56.02	10.61	-999	3.33	6.00
17	-59.03	-55.84	15.33	-999	2.24	6.00
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17	-62.29	-58.10	27.34	-999	3.21	6.00

17	-62.32	-58.24	11.34	-999	1.61	6.00
17	-62.39	-58.49	9.99	-999	1.62	6.00
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17	-62.59	-59.27	11.13	-999	1.99	6.00
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17	-63.00	-60.45	10.30	-999	1.78	6.00
17	-63.06	-60.54	11.05	-999	1.75	6.00
17	-63.20	-60.66	10.41	-999	1.57	6.00
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18	55.60	2.22	2.47	-999	-999	-999
18	55.27	2.53	2.16	-999	-999	-999
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18	55.27	2.53	2.33	-999	-999	7.00
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18	55.53	2.17	2.76	-999	-999	-999
18	55.37	2.36	2.41	-999	-999	-999
18	55.37	2.36	2.85	-999	-999	8.00
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18	55.18	9.00	2.61	-999	-999	-999
18	55.00	2.62	1.82	-999	-999	-999
18	55.12	2.58	3.23	-999	-999	-999
18	55.09	2.45	2.98	-999	-999	-999
18	55.13	2.80	2.58	-999	-999	2.00
18	55.23	2.10	2.82	-999	-999	-999
18	54.84	3.61	1.91	-999	-999	-999
18	54.28	7.19	2.07	-999	-999	-999
18	54.23	7.55	2.36	-999	-999	-999
19	56.19	18.65	20.62	-999	-999	7.00
19	57.11	19.27	19.07	-999	-999	7.00
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19	54.61	11.09	62.84	-999	-999	7.00
19	54.64	10.73	46.77	-999	-999	7.00
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19	55.56	4.11	35.58	-999	-999	7.00
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20	-49.44	17.70	4.31	0.44	1.82	5.00
20	-51.20	17.54	6.12	0.42	1.39	5.00
20	-51.42	17.51	-999	-999	-999	5.00
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20	-52.20	17.65	3.65	0.47	1.95	5.00
20	-52.59	17.90	4.14	0.44	1.79	5.00
20	-54.01	18.97	4.04	0.49	2.15	5.00
20	-54.47	19.30	3.36	0.38	2.87	5.00
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20	-55.15	20.12	3.98	0.47	3.97	5.00
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20	-56.44	21.30	6.68	0.49	1.28	5.00
20	-56.82	21.66	6.44	0.63	1.25	5.00
20	-57.17	22.06	5.77	0.51	1.02	5.00
20	-58.03	23.06	4.11	0.53	1.24	5.00
20	-58.25	23.28	4.88	0.46	1.09	5.00
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20	-59.33	24.50	5.12	0.47	1.18	5.00
20	-59.67	24.95	4.50	0.50	1.16	5.00
20	-60.52	26.09	5.97	0.49	1.14	5.00
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20	-49.95	64.61	17.18	0.59	3.06	5.00
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22	46.21	-20.89	-999	1.74	9.39	5.00
22	46.21	-20.89	-999	1.54	9.46	10.00
22	999	999	-999	1.26	11.14	0.00
22	999	999	-999	1.39	11.31	0.00
22	999	999	-999	2.00	11.33	5.00
22	999	999	-999	1.39	11.61	10.00
22	46.00	-21.00	-999	1.54	10.08	0.00
22	46.00	-21.00	-999	1.55	9.49	0.00
22	46.00	-21.00	-999	1.60	9.52	5.00
22	46.00	-21.00	-999	1.60	9.97	10.00
22	46.01	-21.01	-999	1.56	9.47	0.00
22	46.01	-21.01	-999	1.57	9.18	0.00
22	46.01	-21.01	-999	1.54	9.65	5.00
22	46.01	-21.01	-999	2.26	9.62	5.00
22	46.01	-21.01	-999	1.72	10.11	10.00
22	46.00	-21.06	-999	0.60	8.90	0.00
22	46.00	-21.06	-999	0.64	9.04	0.00
22	46.00	-21.06	-999	0.67	9.40	5.00
22	46.11	-20.99	-999	1.44	7.20	0.00
22	46.11	-20.99	-999	1.52	7.59	0.00
22	46.11	-20.99	-999	1.57	7.92	6.00
22	46.11	-20.99	-999	1.58	7.81	10.00
22	46.06	-20.98	-999	1.41	7.43	0.00
22	46.06	-20.98	-999	1.50	7.67	0.00
22	46.06	-20.98	-999	1.54	7.69	6.00
22	46.06	-20.98	-999	1.51	7.73	10.00
22	46.23	-21.04	-999	1.37	8.49	0.00
22	46.23	-21.04	-999	1.38	8.53	0.00
22	46.23	-21.04	-999	1.36	8.88	5.00
22	46.23	-21.04	-999	1.37	9.01	10.00
22	46.16	-20.41	-999	-999	10.27	0.00
22	46.16	-20.41	-999	-999	11.15	5.00
22	46.16	-20.41	-999	-999	10.95	10.00
22	46.12	-20.44	-999	-999	9.54	5.00
22	46.12	-20.44	-999	-999	9.47	10.00
22	46.04	-20.69	-999	1.39	20.62	0.00
22	46.04	-20.69	-999	1.51	20.60	0.00
22	46.04	-20.69	-999	1.49	21.80	5.00
22	46.04	-20.69	-999	1.57	22.09	10.00
23	42.32	-61.23	-999	5.88	-999	0.00
23	42.32	-61.23	-999	5.77	-999	10.00
23	44.49	-60.28	-999	-999	0.43	0.00
23	44.49	-60.28	-999	-999	0.47	10.00
23	49.51	-58.27	-999	-999	-999	0.00

23	49.51	-58.27	-999	-999	-999	0.00
23	49.51	-58.27	-999	-999	-999	10.00
23	54.30	-54.46	-999	-999	-999	2.00
23	54.30	-54.46	-999	-999	-999	2.00
23	54.30	-54.46	-999	-999	-999	2.00
23	54.30	-54.46	-999	-999	-999	10.00
23	54.13	-55.01	-999	-999	-999	10.00
23	54.13	-55.01	-999	-999	-999	10.00
23	55.25	-53.49	-999	6.42	-999	2.00
23	56.32	-52.42	-999	5.17	-999	2.00
23	60.34	-48.15	-999	-999	-999	2.00
23	59.04	-49.57	-999	6.10	-999	2.00
23	56.07	-53.07	-999	3.66	-999	2.00
23	56.07	-53.07	-999	3.74	-999	10.00
24	54.14	11.84	8.86	8.92	1.41	3.00
24	54.14	11.84	6.31	5.43	0.92	3.00
24	54.14	11.84	6.36	5.42	-999	3.00
24	54.14	11.84	8.71	5.96	1.20	3.00
24	54.14	11.84	13.26	6.47	1.09	3.00
24	54.14	11.84	9.27	5.20	1.17	3.00
24	54.14	11.84	9.90	4.64	-999	3.00
24	54.14	11.84	12.52	9.15	3.52	3.00
24	54.14	11.84	12.77	6.24	1.27	3.00
24	54.14	11.84	8.39	8.22	1.72	3.00
24	54.14	11.84	5.61	4.33	1.74	3.00
24	54.14	11.84	12.50	3.29	1.29	3.00
24	54.14	11.84	30.96	3.91	1.88	3.00
24	54.14	11.84	11.23	3.44	1.34	3.00
24	54.14	11.84	5.96	2.17	1.30	3.00
24	54.14	11.84	23.04	5.82	2.28	3.00
24	54.14	11.84	13.37	5.68	1.80	3.00
24	54.14	11.84	21.40	8.01	1.57	3.00
24	54.14	11.84	32.22	5.55	2.11	3.00
24	54.14	11.84	13.97	6.99	4.46	3.00
24	54.14	11.84	13.98	4.76	4.09	3.00
24	54.14	11.84	16.42	5.48	3.51	3.00
24	54.14	11.84	10.69	2.16	4.10	3.00
24	54.14	11.84	33.83	4.67	3.63	3.00
24	54.14	11.84	14.71	4.44	7.51	3.00
24	54.14	11.84	26.24	3.21	6.16	3.00
24	54.14	11.84	28.48	4.08	4.96	3.00
24	54.14	11.84	40.65	6.91	15.28	3.00
24	54.14	11.84	-999	-999	-999	3.00
24	54.14	11.84	19.00	3.50	2.83	3.00
24	54.14	11.84	25.15	5.17	5.57	3.00
24	54.14	11.84	19.65	5.39	4.69	3.00
24	54.14	11.84	11.56	3.97	5.02	3.00

24	54.14	11.84	8.42	2.15	4.02	3.00
24	54.14	11.84	17.02	6.86	7.42	3.00
24	54.14	11.84	28.33	6.85	5.25	3.00
24	54.14	11.84	11.36	3.43	4.39	3.00
24	54.14	11.84	10.81	3.68	3.87	3.00
24	54.14	11.84	26.39	5.80	7.50	3.00
24	54.14	11.84	10.19	4.03	2.27	3.00
24	54.14	11.84	13.42	3.74	2.86	3.00
24	54.14	11.84	11.28	3.71	4.83	3.00
24	54.14	11.84	6.79	2.33	1.47	3.00
25	10.55	-53.73	0.00	-999	-999	6.00
25	10.00	-51.41	5.25	-999	-999	5.00
25	10.00	-48.06	2.59	0.21	-999	5.00
25	10.00	-44.93	2.34	1.43	-999	6.00
25	10.00	-41.73	6.16	0.87	-999	5.00
25	10.00	-39.00	5.97	2.33	-999	10.00
25	10.00	-36.23	3.23	1.60	-999	7.00
25	0.00	-26.00	12.75	5.25	-999	7.00
25	0.00	-23.50	8.47	3.36	-999	8.00
25	0.00	-23.50	8.27	2.72	-999	7.00
25	0.00	-23.50	8.36	3.74	-999	10.00
25	1.95	-23.50	2.50	1.91	-999	7.00
25	5.29	-24.03	4.26	1.23	-999	7.00
25	8.22	-24.57	10.07	4.12	-999	7.00
25	8.22	-24.57	5.79	0.63	-999	7.00
25	10.50	-25.00	4.45	-999.00	-999	8.00
25	11.00	-23.52	4.24	3.23	-999	-999.00
25	11.00	-23.52	4.25	2.24	-999	6.00
25	11.00	-20.33	3.71	0.20	-999	6.00
25	11.50	-18.73	5.88	1.66	-999	7.00
25	11.65	-17.50	6.26	4.35	-999	7.00
25	10.42	-16.83	5.14	1.18	-999	6.00
25	11.03	-17.70	4.31	1.32	-999	9.00
25	11.00	-18.83	5.04	2.73	-999	7.00
26	28.20	-53.81	-999	1.28	-999	5.41
26	32.93	-50.13	2.25	0.55	3	4.81
26	37.62	-45.38	-999	1.58	-999	9.75
26	39.00	-44.00	-999	1.64	-999	6.31
26	42.00	-42.00	-999	1.55	-999	9.84
26	42.00	-42.00	1.62	1.36	0.88	4.85
26	33.96	-30.63	2.22	1.52	2.02	9.93
26	32.58	-28.59	2.10	1.57	3.30	4.35
26	31.96	-26.23	2.24	1.48	5.54	9.08
26	35.53	-23.98	1.86	1.52	2.25	5.67
26	38.00	-20.00	3.28	2.25	7.67	9.87
26	40.70	-42.88	2.25	1.60	1.71	5.00
26	41.83	-42.12	1.98	1.73	-999	5.00

26	41.94	-42.00	1.92	1.88	-999	5.00
26	40.20	-42.68	1.26	1.33	1.26	5.00
26	39.18	-43.05	1.44	1.29	1.65	5.00
26	38.28	-43.38	1.60	1.35	4.06	5.00
26	36.54	-44.00	3.00	1.44	1.60	5.00
26	35.66	-44.31	1.58	1.06	0.35	5.00
26	34.71	-44.64	1.84	1.36	-999	5.00
26	32.90	-45.25	2.57	1.39	5.52	5.00
26	32.37	-44.62	1.57	1.26	4.38	5.00
26	32.69	-43.13	1.52	1.13	3.34	5.00
26	33.03	-41.28	2.14	1.26	4.03	5.00
26	33.19	-39.84	1.48	1.35	3.18	5.00
26	33.31	-38.72	1.72	1.51	3.46	5.00
26	33.54	-35.82	2.34	1.55	2.41	5.00
26	33.53	-35.44	2.26	1.53	2.57	5.00
26	33.43	-34.43	2.46	1.65	2.51	5.00
26	33.71	-32.33	2.04	1.63	1.79	5.00
26	33.85	-31.67	2.13	1.49	1.65	5.00
26	33.59	-29.74	2.72	1.82	3.34	5.00
26	32.78	-28.80	1.89	1.54	2.99	5.00
26	31.10	-27.03	1.67	1.64	2.80	5.00
26	30.82	-26.75	1.63	1.51	2.47	5.00
26	32.77	-25.74	2.23	1.36	3.28	5.00
26	33.76	-25.13	2.48	1.77	4.11	5.00
26	35.33	-23.76	2.21	1.67	2.55	5.00
26	35.94	-24.34	1.63	1.53	2.35	5.00
26	37.62	-22.52	2.33	1.97	8.53	5.00
26	37.78	-21.42	1.55	1.81	0.78	5.00
26	37.93	-20.45	1.81	1.80	3.61	5.00
26	37.94	-18.89	1.62	2.02	1.22	5.00
26	37.88	-17.61	2.59	2.17	7.81	5.00
26	37.74	-15.28	2.81	1.84	4.40	5.00
26	37.65	-14.25	3.70	2.33	2.63	5.00
26	37.59	-13.48	4.53	2.38	4.86	5.00
26	37.61	-11.83	5.82	2.94	9.30	5.00
27	20.00	-18.00	23.84	3.50	-999	3.57
27	20.50	-17.22	10.34	5.21	-999	6.87
27	20.50	-17.22	12.63	6.00	-999	6.73
27	20.00	-17.22	12.08	3.54	-999	6.93
27	20.00	-17.22	12.12	4.65	-999	7.41
27	19.82	-17.50	12.95	3.92	-999	3.19
27	19.50	-18.00	6.24	3.14	-999	3.60
27	19.50	-16.84	5.22	4.42	-999	6.64
27	19.50	-16.84	7.63	6.77	-999	4.83
27	17.00	-18.00	14.89	4.11	-999	4.52
27	17.00	-17.50	14.16	6.30	-999	2.96
27	17.00	-17.00	11.09	6.18	-999	3.43

27	17.00	-16.60	7.54	5.53	-999	9.08
27	17.50	-16.50	5.18	4.09	-999	1.34
27	17.50	-17.00	1.26	7.87	-999	6.42
27	18.00	-17.50	16.62	6.05	-999	4.36
27	18.00	-17.01	14.65	4.87	-999	3.68
27	18.00	-16.50	9.32	5.81	-999	9.83
27	18.50	-16.50	8.80	5.19	-999	3.60
27	19.00	-18.00	9.79	0.00	-999	3.54
27	18.00	-19.00	1.97	0.55	-999	6.00
27	18.00	-18.50	9.97	3.22	-999	5.34
27	20.00	-18.00	23.84	3.50	-999	4.00
27	20.00	-18.00	23.84	3.50	-999	4.00
27	20.08	-17.88	16.37	7.06	-999	4.00
27	20.50	-17.22	12.62	6.00	-999	4.00
27	20.33	-17.22	15.47	5.95	-999	4.00
27	20.00	-17.22	12.08	3.54	-999	4.00
27	19.99	-17.15	13.72	4.19	-999	4.00
27	19.82	-17.50	12.95	3.92	-999	4.00
27	19.81	-17.50	30.28	3.47	-999	4.00
27	19.50	-18.00	6.24	3.14	-999	4.00
27	19.50	-17.68	32.74	3.92	-999	4.00
27	19.50	-17.25	3.92	3.43	-999	4.00
27	19.50	-16.84	7.63	6.77	-999	4.00
27	17.00	-18.00	14.89	4.11	-999	4.00
27	17.00	-17.50	14.16	6.29	-999	4.00
27	17.01	-16.99	11.09	6.18	-999	4.00
27	17.00	-16.83	7.47	6.26	-999	4.00
27	17.52	-16.43	6.40	4.67	-999	4.00
27	17.50	-16.50	5.18	4.09	-999	4.00
27	17.50	-17.00	1.26	7.87	-999	4.00
27	18.00	-17.50	16.62	6.05	-999	4.00
27	18.01	-17.00	14.65	4.87	-999	4.00
27	18.46	-16.31	5.82	3.36	-999	4.00
27	18.50	-16.50	8.79	5.19	-999	4.00
27	19.00	-18.00	9.79	-999	-999	4.00
27	18.01	-18.50	9.97	3.22	-999	4.00
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28	32.62	144.58	1.11	-999	0.75	5.00
28	32.53	144.61	0.88	0.28	0.44	5.00
28	32.06	144.74	0.73	0.50	0.59	5.00
28	31.94	144.77	0.50	0.25	0.64	5.00
28	31.64	144.86	0.77	0.28	1.05	5.00
28	31.37	144.93	0.26	0.35	0.85	5.00
28	31.00	145.03	0.25	0.27	0.88	5.00
28	30.77	145.09	0.64	0.12	0.99	5.00
28	30.41	145.19	0.68	-999	1.17	5.00
28	30.21	145.25	0.40	0.14	1.01	5.00
28	28.00	145.36	0.36	0.71	1.49	5.00

28	27.72	145.36	0.63	0.64	1.59	5.00
28	27.49	145.36	0.60	0.60	1.10	5.00
28	27.25	145.36	0.61	0.65	1.91	5.00
28	27.00	145.36	0.58	0.71	1.17	5.00
28	25.80	145.36	0.36	0.61	1.87	5.00
28	25.61	145.36	0.58	0.60	-999	5.00
28	24.02	145.83	2.56	0.59	1.31	5.00
28	23.48	146.00	0.49	0.24	0.99	5.00
28	23.21	146.09	0.67	0.15	-999	5.00
28	22.93	146.18	0.94	0.21	0.77	5.00
28	22.40	146.35	0.24	0.29	1.11	5.00
28	22.15	146.43	0.25	0.31	1.12	5.00
28	21.93	146.50	0.24	0.27	1.36	5.00
28	21.84	146.53	0.19	0.41	1.30	5.00
28	20.30	147.03	1.93	0.93	3.29	5.00
28	19.73	147.21	0.97	0.64	2.57	5.00
28	19.18	147.39	0.62	0.49	1.25	5.00
28	18.62	147.56	0.61	0.72	1.78	5.00
28	18.06	147.74	0.97	0.53	1.87	5.00
28	17.52	147.91	0.63	-999	-999	5.00
28	17.01	148.07	0.82	0.54	1.49	5.00
28	16.68	148.18	0.95	0.74	1.38	5.00
28	16.53	148.22	0.57	0.57	1.97	5.00
28	16.07	148.37	0.37	0.44	1.87	5.00
28	15.62	148.51	1.64	0.69	2.56	5.00
28	15.16	148.65	1.45	0.69	2.08	5.00
28	14.67	148.79	0.87	0.52	2.28	5.00
28	14.19	148.95	0.64	0.44	1.63	5.00
28	13.64	149.12	0.65	0.53	1.65	5.00
28	13.09	149.29	1.28	0.88	2.69	5.00
28	12.55	149.46	0.98	0.65	2.22	5.00
28	12.02	149.62	1.11	0.39	0.94	5.00
28	11.47	149.79	0.99	0.71	2.28	5.00
28	10.92	149.96	1.63	0.65	1.52	5.00
28	10.34	150.14	0.64	0.38	1.02	5.00
28	9.17	150.49	11.62	0.56	0.83	5.00
28	8.58	150.67	4.92	1.34	0.90	5.00
28	7.98	150.85	3.49	1.16	0.77	5.00
28	7.64	150.96	2.92	0.46	1.26	5.00
28	7.39	151.03	4.05	1.22	0.49	5.00
28	6.80	151.21	2.69	0.79	0.95	5.00
28	6.21	151.40	0.80	0.60	1.26	5.00
28	5.61	151.58	1.30	0.64	3.54	5.00
28	3.84	152.12	0.85	0.54	1.34	5.00
28	3.27	152.30	1.51	0.61	0.85	5.00
28	2.70	152.47	1.37	0.64	2.88	5.00
28	2.11	152.65	1.42	0.83	1.93	5.00

28	1.52	152.83	1.50	0.99	-999	5.00
28	0.91	153.02	1.76	1.07	2.00	5.00
28	0.31	153.20	1.30	1.08	1.52	5.00
28	-0.28	153.38	1.23	0.68	1.52	5.00
28	-0.86	153.56	1.17	0.85	1.49	5.00
28	-1.44	153.74	1.76	0.96	1.36	5.00
28	-2.03	153.85	3.52	1.60	1.54	5.00
28	-2.62	153.90	2.10	1.26	2.13	5.00
28	-3.21	153.94	27.10	0.81	2.75	5.00
28	-3.80	153.99	6.92	0.85	1.51	5.00
28	-4.33	153.85	5.58	1.17	1.72	5.00
28	-4.87	153.89	9.59	1.11	1.82	5.00
28	-5.41	153.95	10.35	0.91	-999	5.00
28	-5.95	154.01	10.33	1.26	3.22	5.00
28	-6.51	154.08	8.58	0.69	2.90	5.00
28	-7.02	154.14	7.16	1.01	1.59	5.00
28	-7.48	154.19	5.96	1.14	1.54	5.00
28	-7.93	154.24	2.65	1.44	1.77	5.00
28	-8.40	154.30	6.69	1.83	3.37	5.00
28	-8.88	154.35	2.26	0.61	0.60	5.00
28	-9.36	154.41	4.16	1.07	0.90	5.00
28	-9.85	154.46	4.43	1.36	1.70	5.00
28	-10.40	154.53	6.70	1.45	1.22	5.00
28	-10.93	154.59	6.34	0.57	1.40	5.00
28	-11.44	154.65	2.87	1.07	1.16	5.00
28	-11.84	154.26	2.63	1.01	1.81	5.00
28	-12.20	153.70	3.56	1.38	0.78	5.00
28	-12.53	153.18	6.30	2.17	1.91	5.00
28	-12.87	152.64	9.44	2.91	-999	5.00
28	-13.23	152.08	2.05	0.71	-999	5.00
28	-13.54	151.58	2.45	0.94	1.16	5.00
28	-13.86	151.08	3.02	1.14	0.88	5.00
28	-14.17	150.58	1.62	0.98	1.93	5.00
28	-14.48	150.08	1.70	0.83	1.42	5.00
28	-14.78	149.62	1.57	0.93	2.25	5.00
28	-15.10	149.11	1.65	1.02	1.86	5.00
28	-15.73	148.10	2.45	1.02	-999	5.00
28	-16.51	147.37	4.53	1.34	1.19	5.00
28	-17.03	147.33	2.09	0.78	1.84	5.00
28	-17.51	147.30	2.50	1.21	0.93	5.00
28	-17.83	147.25	2.22	0.96	1.37	5.00
28	-17.98	147.21	3.16	1.70	1.59	5.00
28	-18.13	147.18	13.53	3.21	1.37	5.00
28	-18.25	147.09	20.38	4.47	1.42	5.00
28	-18.37	146.98	7.76	2.00	0.75	5.00
28	-18.51	146.93	15.11	4.29	1.46	5.00
28	-18.66	146.92	16.43	4.98	-999	5.00

29	42.79	-9.37	38.79	15.96	-999	4.00
29	42.47	-9.21	36.25	4.20	-999	3.00
29	42.38	-9.15	39.49	14.54	-999	4.00
29	42.08	-9.14	43.69	15.27	-999	4.00
29	41.93	-9.15	74.35	22.76	-999	3.00
29	41.64	-9.13	119.72	28.98	-999	3.00
29	41.64	-9.13	74.43	15.69	-999	10.00
29	41.35	-8.92	30.19	9.33	-999	4.00
29	41.20	-8.94	36.85	12.98	-999	4.00
29	40.91	-9.01	34.21	12.65	-999	3.00
29	40.91	-9.01	52.04	17.13	-999	7.00
29	40.76	-9.04	34.47	12.11	-999	3.00
29	40.61	-9.08	-999	-999	-999	5.00
29	40.46	-9.03	-999	-999	-999	5.00
29	40.46	-9.03	-999	-999	-999	10.00
29	40.26	-9.08	15.52	10.86	-999	5.00
29	40.26	-9.08	14.99	9.04	-999	10.00
29	40.07	-9.14	11.62	7.27	-999	3.00
29	40.02	-9.15	11.79	9.20	-999	3.00
29	39.90	-9.18	10.51	6.89	-999	3.00
29	39.76	-9.22	-999	-999	-999	3.00
29	39.76	-9.22	9.38	5.54	-999	10.00
29	39.62	-9.30	-999	-999	-999	3.00
29	39.49	-9.41	10.70	8.32	-999	3.00
29	39.06	-9.57	185.15	60.40	-999	4.00
29	39.06	-9.57	172.80	54.32	-999	10.00
29	40.00	-9.08	1.32	-999	-999	3.00
29	40.00	-9.08	2.19	0.78	-999	10.00
29	40.00	-9.08	13.75	4.48	-999	10.00
29	40.00	-9.08	13.53	5.37	-999	3.00
29	40.00	-9.08	13.07	8.71	-999	10.00
29	40.00	-9.08	13.93	8.68	-999	3.00
29	40.00	-9.08	14.51	8.97	-999	10.00
29	40.00	-9.08	12.86	9.07	-999	3.00
29	40.00	-9.08	-999	-999	-999	10.00
29	40.00	-9.08	13.00	10.14	-999	3.00
29	41.00	-9.00	29.01	11.33	-999	5.00
29	41.00	-9.00	20.68	10.00	-999	4.00
29	41.00	-9.00	15.44	8.61	-999	2.00
29	41.00	-9.00	26.22	10.74	-999	3.00
29	41.00	-9.00	24.80	10.67	-999	10.00
29	41.00	-9.00	25.82	9.80	-999	3.00
29	41.00	-10.50	5.01	3.25	-999	7.00
29	41.00	-10.50	3.77	2.71	-999	6.00
29	41.00	-10.50	-999	3.33	-999	3.00
29	41.00	-10.50	5.03	2.35	-999	7.00
29	41.00	-10.50	5.03	3.93	-999	4.00

29	41.00	-10.50	4.59	3.91	-999	4.00
29	40.00	-9.91	13.58	7.17	-999	4.00
29	40.00	-9.74	15.56	7.58	-999	3.00
29	40.00	-9.48	14.73	6.79	-999	3.00
29	40.00	-9.31	10.59	8.47	-999	3.00
29	40.00	-9.09	11.35	8.19	-999	5.00
29	40.00	-9.00	19.46	8.25	-999	3.00
29	40.33	-9.17	12.25	4.73	-999	4.00
29	40.33	-9.17	-999	-999	-999	10.00
29	40.33	-9.17	11.53	1.95	-999	3.00
29	40.33	-9.17	9.25	4.68	-999	3.00
29	40.33	-9.17	-999	-999	-999	10.00
29	40.33	-9.17	13.55	5.13	-999	3.00
29	40.33	-9.17	-999	-999	-999	10.00
29	40.33	-9.17	12.84	5.38	-999	3.00
29	40.33	-9.17	11.79	4.63	-999	3.00
29	40.33	-9.17	-999	-999	-999	10.00
29	40.38	-9.12	10.33	4.50	-999	5.00
29	40.33	-9.39	12.45	5.63	-999	3.00
29	40.33	-9.51	14.81	5.43	-999	3.00
29	40.33	-10.08	13.88	5.06	-999	4.00
29	40.32	-10.60	12.81	4.36	-999	3.00
29	40.31	-11.12	7.44	3.90	-999	3.00
29	40.12	-10.79	15.08	4.91	-999	3.00
29	40.53	-10.52	9.72	4.23	-999	3.00
29	40.66	-9.88	6.86	2.75	-999	5.00
29	40.42	-9.51	16.24	7.86	-999	5.00
30	59.50	-21.13	1.10	-999	-999	2.90
30	59.50	-21.13	1.80	-999	-999	1.70
30	59.57	-21.12	1.90	-999	-999	1.00
30	59.57	-21.05	1.60	-999	-999	1.60
30	59.57	-21.05	1.20	-999	-999	4.90
30	59.89	-21.25	0.90	-999	-999	2.00
30	59.89	-21.25	0.90	-999	-999	9.20
30	59.91	-20.74	0.80	-999	-999	5.20
30	59.89	-20.68	0.80	-999	-999	1.50
30	59.89	-20.68	0.80	-999	-999	4.70
30	59.85	-20.66	5.00	-999	-999	1.60
30	59.85	-20.66	3.40	-999	-999	9.20
30	61.20	-20.52	0.40	-999	-999	1.10
30	61.20	-20.52	1.30	-999	-999	6.20
30	60.43	-20.66	0.40	-999	-999	2.20
30	60.43	-20.66	0.50	-999	-999	4.10
30	59.76	-20.99	0.30	-999	-999	2.00
30	59.81	-20.96	0.40	-999	-999	1.80
30	59.81	-20.96	0.30	-999	-999	9.00
31	-60.21	-56.14	2.10	2.90	-999	9.00

31	-61.13	-55.51	5.90	1.10	-999	9.00
31	-61.09	-55.57	1.30	0.40	-999	9.00
31	-63.81	-54.15	-999	1.20	-999	9.00
31	-62.58	-54.23	2.20	2.30	-999	9.00
31	-61.26	-54.17	-999	3.20	-999	9.00
31	-61.14	-54.21	1.90	-999	-999	9.00
31	-62.29	-55.56	3.50	-999	-999	9.00
31	-62.36	-56.01	4.10	-999	3.20	9.00
31	-62.42	-56.01	6.80	3.10	-999	9.00
31	-61.44	-57.54	6.20	3.00	-999	9.00
31	-61.29	-58.05	6.50	5.00	-999	9.00
31	-61.15	-58.16	2.20	4.70	-999	9.00
31	-61.24	-58.08	10.60	1.90	-999	9.00
31	-61.36	-58.00	3.50	7.20	-999	9.00
31	-63.00	-56.58	22.70	1.50	1.50	9.00
31	-61.45	-57.51	5.20	18.60	-999	9.00
31	-61.43	-57.53	37.40	4.50	-999	9.00
31	-60.20	-58.52	7.80	7.00	-999	9.00
31	-60.59	-58.27	3.80	8.60	-999	9.00
31	-61.17	-58.10	4.80	4.20	-999	9.00
31	-61.07	-58.21	4.20	2.50	-999	9.00
31	-61.33	-58.00	3.90	4.50	-999	9.00
31	-62.14	-57.34	13.00	5.40	-999	9.00
31	-62.13	-57.43	10.70	6.50	-999	9.00
31	-63.22	-56.57	10.90	1.40	-999	9.00
31	-62.46	-59.06	9.60	6.60	-999	9.00
31	-62.56	-59.00	7.70	2.90	-999	9.00
31	-63.26	-59.55	3.20	3.60	-999	9.00
31	-61.13	-60.00	-999	3.60	-999	9.00
31	-62.58	-60.13	3.70	2.90	-999	9.00
31	-62.49	-60.19	5.80	2.40	-999	9.00
31	-61.30	-63.10	-999	2.00	-999	9.00
31	-61.44	-63.32	2.10	1.30	-999	9.00
31	-63.10	-61.49	10.20	1.50	-999	9.00
31	-63.18	-61.33	4.20	2.40	2.00	9.00
31	-63.24	-61.25	9.40	1.40	-999	9.00
31	-64.45	-65.16	23.80	5.70	-999	9.00
31	-64.24	-65.59	5.30	2.80	-999	9.00
31	-63.12	-67.38	5.40	4.10	-999	9.00
31	-62.05	-65.06	5.10	-999	2.00	9.00
31	-61.51	-64.33	-999	3.30	-999	9.00
31	-61.57	-64.14	5.80	3.00	1.90	9.00
31	-66.49	-63.10	2.90	7.50	-999	9.00
31	-64.58	-63.25	4.70	5.00	2.40	9.00
31	-65.00	-63.51	4.70	3.90	-999	9.00
31	-65.03	-63.50	1.00	3.50	-999	9.00
31	-66.49	-69.09	2.70	2.40	1.20	9.00

31	-66.47	-69.16	-999	6.90	7.90	9.00
31	-63.30	-66.58	-999	1.80	-999	9.00
31	-64.28	-64.47	8.50	3.20	1.70	9.00
31	-64.42	-65.18	-999	4.20	2.30	9.00
31	-64.27	-68.17	4.40	4.10	2.90	9.00
31	-61.24	-68.25	-999	6.50	0.60	9.00
31	-66.16	-69.11	3.90	4.40	-999	9.00
31	-63.40	-63.38	2.90	3.90	2.80	9.00
31	-62.50	-60.24	-999.00	4.20	2.80	9.00
31	62.54	-61.02	-999	-999	1.00	9.00
31	-62.35	-59.13	1.30	2.90	-999	9.00
31	-62.51	-59.57	1.00	2.90	-999	9.00
31	-62.18	-58.39	4.60	0.90	-999	9.00
31	-63.28	-56.35	3.80	1.40	2.60	9.00
31	-62.38	-56.35	4.10	4.40	-999	9.00
31	-62.52	-56.55	15.90	5.40	3.60	9.00
31	-62.26	-56.28	3.40	4.10	2.00	9.00
31	-62.00	-56.00	-999	3.50	-999	9.00
31	-61.14	-54.54	4.20	6.20	3.30	9.00
31	-60.50	-55.34	3.90	4.20	1.30	9.00
31	-60.51	-55.46	1.40	0.30	-999	9.00
31	-60.57	-55.10	2.20	1.90	1.50	9.00
32	42.00	29.20	31.63	3.24	-999	5.00
32	41.30	29.50	-999	1.32	-999	10.00
33	57.19	11.67	13.85	1.96	-999	0.00
33	57.19	11.67	17.80	2.07	-999	5.00
33	57.19	11.67	16.62	1.90	-999	10.00
33	56.67	12.12	17.41	2.93	-999	0.00
33	56.67	12.12	11.47	2.19	-999	5.00
33	56.67	12.12	15.03	2.01	-999	10.00
33	55.25	15.98	7.68	2.36	-999	0.00
33	55.25	15.98	7.91	1.32	-999	5.00
33	55.25	15.98	7.87	1.27	-999	10.00
33	56.63	19.58	6.73	1.90	-999	0.00
33	56.63	19.58	8.31	2.07	-999	10.00
33	57.07	19.83	7.91	1.21	-999	0.00
33	57.33	20.05	7.91	1.55	-999	0.00
33	57.33	20.05	7.91	1.67	-999	5.00
33	57.33	20.05	7.91	1.73	-999	10.00
33	57.62	20.17	15.03	2.13	-999	0.00
33	58.44	20.33	10.68	1.90	-999	0.00
33	58.44	20.33	8.70	1.55	-999	5.00
33	58.44	20.33	8.31	1.55	-999	10.00
33	58.88	20.32	10.68	1.67	-999	0.00
33	58.88	20.32	8.70	1.61	-999	5.00
33	58.88	20.32	35.61	1.96	-999	10.00
34	19.28	19.28	10.88	1.96	-999	0.00

34	19.28	19.28	10.05	1.98	-999	10.00
34	19.58	19.58	8.63	2.18	-999	0.00
34	19.83	19.83	7.99	1.89	-999	0.00
34	20.05	20.05	10.01	2.46	-999	0.00
34	20.05	20.05	9.61	2.24	-999	5.00
34	20.05	20.05	10.45	2.44	-999	10.00
34	-999	-999	11.99	2.20	-999	0.00
34	19.95	19.95	11.28	1.94	-999	5.00
34	19.95	19.95	10.84	2.17	-999	10.00
34	20.33	20.33	13.25	2.94	-999	0.00
34	20.33	20.33	14.01	2.25	-999	5.00
34	20.33	20.33	12.38	2.13	-999	10.00
34	-999	-999	9.93	2.59	-999	0.00
34	20.32	20.32	13.85	1.96	-999	5.00
34	20.32	20.32	14.28	2.50	-999	10.00
35	52.61	4.00	380.90	0.60	3.03	1.80
35	52.61	4.33	280.90	0.60	1.69	1.80
35	52.47	3.70	287.60	0.60	-999	1.80
35	52.36	3.27	169.50	-999	2.25	1.80
35	52.25	2.84	119.80	-999	1.69	1.80
35	52.16	2.33	164.00	3.30	4.09	1.80
35	52.08	1.83	249.80	5.50	-999	1.80
35	51.79	1.78	218.70	6.40	2.89	1.80
35	51.50	1.75	217.80	8.60	-999	1.80
35	51.75	3.00	153.20	0.60	-999	1.80
35	51.83	3.36	369.30	3.70	3.80	1.80
35	52.13	3.50	125.90	1.10	6.48	1.80
35	52.22	3.87	114.00	3.10	5.00	1.80
35	52.35	4.00	51.20	-999	8.03	1.80
35	52.62	3.76	153.20	3.10	4.23	1.80
35	53.00	3.43	168.60	9.30	-999	1.80
35	53.19	3.27	174.50	4.80	2.33	1.80
35	53.51	2.99	198.00	4.30	2.33	1.80
35	53.41	3.45	157.90	8.20	4.72	1.80
35	53.30	4.00	164.90	5.50	4.09	1.80
35	53.23	4.33	36.40	2.30	4.09	1.80
35	53.17	4.59	56.70	1.20	-999	1.80
35	53.65	4.83	105.00	3.10	2.33	1.80
35	53.92	4.83	184.60	6.50	2.33	1.80
35	54.25	4.83	135.20	5.30	2.11	1.80
35	54.32	5.25	102.90	3.80	2.04	1.80
35	54.05	5.67	73.90	3.00	2.18	1.80
35	53.83	6.00	91.00	3.60	2.25	1.80
35	53.65	6.17	45.70	1.10	3.52	1.80
35	53.72	6.50	61.10	1.30	4.51	1.80
35	53.92	6.42	71.50	2.10	3.31	1.80
35	54.10	6.42	55.80	2.40	2.54	1.80

35	54.34	6.42	69.20	3.00	2.68	1.80
35	54.41	6.71	76.80	2.30	2.61	1.80
35	54.25	6.99	67.20	3.00	2.40	1.80
35	54.01	7.24	84.90	3.50	2.89	1.80
35	53.82	7.34	38.40	1.30	2.47	1.80
35	54.19	7.47	88.70	3.10	2.89	1.80
35	54.41	7.66	140.40	6.80	3.45	1.80
35	54.67	7.67	70.70	3.80	3.24	1.80
35	55.16	7.67	96.50	3.00	3.59	1.80
35	55.45	7.66	66.60	3.50	2.89	1.80
35	55.50	6.50	116.90	5.10	2.61	1.80
35	55.50	5.50	117.50	3.80	2.68	1.80
35	55.50	-0.06	601.80	20.40	2.11	1.80
35	55.50	-0.53	63.40	3.50	2.82	1.80
35	55.51	-0.86	-999.00	3.00	3.31	1.80
35	55.50	-1.20	66.60	3.80	2.40	1.80
35	55.49	-1.55	72.70	4.50	2.82	1.80
35	55.33	-1.50	46.20	2.10	2.75	1.80
35	55.17	-1.45	105.60	2.90	3.59	1.80
35	55.00	-1.30	34.90	0.60	3.03	1.80
35	55.00	-0.95	53.50	3.20	3.24	1.80
35	54.86	-0.55	106.40	4.70	2.40	1.80
35	54.73	-0.85	72.70	4.70	3.03	1.80
35	54.65	-0.89	71.50	4.40	2.54	1.80
35	54.58	-0.62	31.70	2.60	1.97	1.80
35	54.44	0.00	50.30	2.60	1.90	1.80
35	54.33	1.14	290.80	7.80	2.75	1.80
35	54.34	0.77	74.70	3.90	2.33	1.80
35	54.33	0.39	52.00	2.70	2.47	1.80
35	54.16	0.40	69.20	3.30	1.97	1.80
35	53.91	0.40	42.70	2.20	1.97	1.80
35	53.66	0.40	27.70	1.50	3.10	1.80
35	53.50	0.40	30.80	2.00	2.68	1.80
35	53.52	0.69	40.10	2.00	2.40	1.80
35	53.59	1.08	30.00	1.40	2.61	1.80
35	53.60	1.56	41.30	2.00	2.04	1.80
35	53.58	2.59	34.60	1.00	4.51	1.80
35	53.74	2.75	49.70	2.80	4.09	1.80
35	54.08	2.38	61.10	2.70	2.89	1.80
35	54.00	1.06	82.00	-999	2.47	1.80
35	53.72	0.71	30.00	2.10	4.16	1.80
35	53.33	0.50	38.10	2.40	2.47	1.80
35	53.17	0.51	20.60	-999	2.54	1.80
35	52.69	2.41	64.90	8.10	4.86	1.80
35	52.36	3.26	65.30	-999	3.95	1.80
35	52.25	2.83	116.30	6.60	4.65	1.80
35	52.09	1.84	78.30	9.50	-999	1.80

35	51.78	1.77	65.70	5.30	3.95	1.80
35	51.05	1.84	163.80	6.90	3.66	1.80
35	51.46	2.67	104.90	5.80	4.44	1.80
35	51.75	3.00	62.90	4.60	3.45	1.80
35	51.84	3.37	48.30	4.60	3.17	1.80
35	52.13	3.50	65.30	5.20	3.45	1.80
35	52.22	3.87	63.70	5.00	4.44	1.80
35	52.62	3.76	91.00	6.30	3.66	1.80
35	52.78	3.61	60.10	5.30	3.17	1.80
35	53.00	3.43	44.70	5.30	2.33	1.80
35	53.20	3.26	35.00	5.20	3.52	1.80
35	53.50	3.01	55.80	3.80	2.18	1.80
35	53.41	3.45	65.30	6.40	4.65	1.80
35	53.31	4.00	69.20	5.50	2.96	1.80
35	53.24	4.34	45.10	4.40	3.38	1.80
35	53.16	4.62	37.00	3.90	5.28	1.80
35	53.65	4.83	68.80	5.90	2.82	1.80
35	53.92	4.84	41.50	5.70	2.25	1.80
35	54.25	4.84	43.90	4.70	3.24	1.80
35	54.59	4.83	37.10	4.70	2.82	1.80
35	54.32	5.25	41.50	4.50	3.59	1.80
35	54.05	5.67	47.50	5.10	3.24	1.80
35	53.83	6.00	46.30	4.00	8.17	1.80
35	53.65	6.17	31.10	3.00	6.06	1.80
35	53.71	6.51	23.30	2.90	4.30	1.80
35	53.92	6.42	21.00	3.20	6.76	1.80
35	54.10	6.42	21.00	4.30	2.40	1.80
35	54.33	6.41	35.40	4.20	2.33	1.80
35	54.59	6.42	31.40	4.90	3.31	1.80
35	54.42	6.70	24.60	4.20	2.54	1.80
35	54.10	7.00	37.50	4.30	3.24	1.80
35	53.82	7.34	12.90	-999	4.30	1.80
35	54.19	7.47	29.60	3.40	5.50	1.80
35	54.26	7.74	25.80	2.80	3.52	1.80
35	54.67	7.67	22.00	3.30	2.96	1.80
35	54.92	7.67	31.80	5.00	3.38	1.80
35	55.17	7.67	26.10	4.30	4.37	1.80
35	55.45	7.66	57.80	6.20	3.88	1.80
35	55.50	7.00	53.00	5.80	3.17	1.80
35	55.50	6.50	48.30	6.60	2.68	1.80
35	55.50	6.01	26.50	4.90	3.10	1.80
35	55.50	5.50	45.90	4.70	4.30	1.80
35	55.49	4.99	19.50	4.10	4.86	1.80
35	55.50	4.52	31.00	-999	4.30	1.80
35	55.50	3.79	31.20	4.20	3.24	1.80
35	55.50	3.17	33.40	5.10	3.03	1.80
35	55.50	2.58	53.40	5.90	3.38	1.80

35	55.50	2.03	42.70	5.00	2.68	1.80
35	55.50	1.42	45.90	4.90	2.75	1.80
35	55.49	0.90	24.50	4.00	2.47	1.80
35	55.10	0.73	-999	-999	2.82	1.80
35	54.68	0.55	26.90	3.60	2.68	1.80
35	54.33	0.40	25.50	4.70	2.82	1.80
35	54.44	-0.01	26.00	4.90	2.75	1.80
35	54.58	-0.62	47.90	6.10	5.14	1.80
35	54.65	-1.05	96.20	-999	4.23	1.80
35	54.87	-0.55	42.30	4.60	3.24	1.80
35	55.00	-0.25	23.60	4.90	3.24	1.80
35	55.00	-0.60	23.60	4.80	3.03	1.80
35	55.00	-0.95	41.50	6.30	3.59	1.80
35	55.00	-1.30	59.70	4.90	3.45	1.80
35	55.33	-1.50	-999	-999	3.80	1.80
35	55.50	-1.20	28.50	3.70	2.61	1.80
35	55.50	-0.87	25.50	4.10	3.10	1.80
35	55.50	-0.54	18.00	1.70	4.09	1.80
35	55.50	-0.07	17.70	1.40	4.23	1.80
35	55.50	0.40	13.60	3.10	3.24	1.80
35	55.25	1.17	-999	-999	3.66	1.80
35	54.33	1.50	23.30	3.70	4.09	1.80
35	53.92	0.40	-999	-999	11.55	1.80
35	53.52	0.69	40.40	-999	5.28	1.80
35	53.57	1.08	26.80	3.60	4.02	1.80
35	53.57	1.56	26.40	3.90	5.00	1.80
35	53.57	2.17	21.70	3.70	4.37	1.80
35	53.58	2.58	26.50	-999	5.43	1.80
35	53.75	2.74	26.40	0.70	5.99	1.80
35	54.08	2.38	39.50	4.70	4.37	1.80
35	54.33	2.14	23.50	4.00	4.16	1.80
35	54.17	1.28	27.70	-999	4.51	1.80
35	54.00	1.04	27.50	-999	3.66	1.80
35	53.72	0.71	25.40	4.30	4.16	1.80
35	53.50	0.40	29.40	4.30	5.57	1.80
35	53.16	0.52	21.30	4.50	3.59	1.80
35	53.22	0.79	41.20	5.10	5.71	1.80
35	53.02	1.07	32.70	4.30	5.99	1.80
35	53.02	1.45	39.10	-999.00	4.86	1.80
35	52.72	1.93	22.10	4.60	4.51	1.80
35	52.69	2.42	49.10	7.00	-999	1.80
35	52.58	4.15	64.90	8.50	4.72	1.80
35	52.47	3.70	24.30	4.70	3.17	1.80
35	52.35	3.26	21.10	4.10	-999	1.80
35	52.25	2.84	18.90	3.40	5.07	1.80
35	52.17	2.33	24.90	4.10	3.03	1.80
35	52.08	1.83	33.90	11.40	3.45	1.80

35	51.78	1.79	30.00	6.30	4.72	1.80
35	51.49	1.75	21.30	5.40	5.43	1.80
35	51.18	1.56	26.60	5.80	5.00	1.80
35	51.46	2.67	39.60	5.80	12.33	1.80
35	51.75	3.00	36.00	5.50	-999	1.80
35	51.84	3.37	30.90	6.20	11.98	1.80
35	52.14	3.51	22.10	4.40	11.98	1.80
35	52.22	3.87	19.70	4.30	8.24	1.80
35	52.35	4.00	18.10	5.30	5.71	1.80
35	52.61	3.76	288.40	5.90	5.92	1.80
35	52.78	3.62	19.90	4.50	5.07	1.80
35	53.00	3.44	23.30	5.20	6.34	1.80
35	53.21	3.27	19.40	5.00	5.07	1.80
35	53.50	3.00	38.40	5.90	6.62	1.80
35	53.30	4.00	29.00	5.30	6.13	1.80
35	53.22	4.34	27.10	5.50	7.96	1.80
35	53.16	4.61	26.70	5.40	6.76	1.80
35	53.65	4.83	39.80	5.70	7.26	1.80
35	53.92	4.84	28.10	5.60	7.19	1.80
35	54.25	4.83	25.20	4.60	4.30	1.80
35	54.32	5.25	25.00	4.80	5.14	1.80
35	54.05	5.67	25.20	5.00	6.06	1.80
35	53.94	5.84	18.80	4.40	4.72	1.80
35	53.83	6.00	18.40	4.70	7.19	1.80
35	53.65	6.16	19.20	4.40	8.31	1.80
35	53.72	6.50	12.70	3.20	5.50	1.80
35	53.92	6.42	17.10	4.40	6.34	1.80
35	54.10	6.42	13.80	3.90	5.21	1.80
35	54.33	6.42	17.70	4.60	3.17	1.80
35	54.42	6.71	15.00	4.10	7.68	1.80
35	55.51	0.90	24.30	4.60	6.27	1.80
35	55.51	0.40	15.30	4.00	-999	1.80
35	55.50	-0.06	33.20	5.40	-999	1.80
35	55.51	-1.55	45.10	8.50	-999	1.80
35	55.02	-1.31	51.00	7.20	-999	1.80
35	55.00	-0.95	25.70	5.70	-999	1.80
35	54.99	-0.58	26.40	6.20	-999	1.80
35	55.00	-0.24	22.00	5.10	-999	1.80
35	54.86	-0.55	16.90	4.90	5.21	1.80
35	54.73	-0.85	18.30	5.20	3.59	1.80
35	54.65	-1.05	37.70	6.80	3.10	1.80
35	54.58	-0.62	24.10	5.20	5.28	1.80
35	54.51	-0.35	14.00	4.60	7.47	1.80
35	54.42	0.02	14.40	4.40	3.17	1.80
35	54.33	0.40	30.00	4.80	-999	1.80
35	54.65	0.51	34.70	5.50	10.57	1.80
35	54.32	1.15	148.40	12.80	-999	1.80

35	53.92	0.40	29.00	4.80	3.10	1.80
35	53.67	0.40	35.60	5.70	3.10	1.80
35	53.49	0.41	24.80	5.20	4.93	1.80
35	53.32	0.49	17.10	5.50	5.78	1.80
35	53.09	0.50	19.50	5.00	4.09	1.80
35	53.22	0.78	26.00	5.30	2.68	1.80
35	53.02	1.45	33.70	5.80	5.00	1.80
35	52.61	4.00	38.10	4.10	13.74	1.80
35	52.61	4.33	37.50	7.20	33.32	1.80
35	52.57	4.15	44.70	6.70	36.35	1.80
35	52.47	3.70	23.40	5.80	42.20	1.80
35	52.36	3.27	12.70	4.30	13.74	1.80
35	52.25	2.84	17.90	4.90	13.18	1.80
35	52.08	1.83	22.80	9.20	3.95	1.80
35	51.79	1.79	19.20	6.30	5.14	1.80
35	51.50	1.75	23.20	6.60	6.48	1.80
35	51.17	1.56	20.00	6.10	13.81	1.80
35	51.05	1.83	230.40	26.40	24.52	1.80
35	51.47	2.68	30.20	5.60	29.03	1.80
35	51.76	3.00	27.30	4.80	30.44	1.80
35	52.13	3.49	14.70	4.60	30.65	1.80
35	52.21	3.87	12.90	4.40	23.39	1.80
35	52.79	3.62	18.10	3.90	22.40	1.80
35	53.00	3.45	18.10	4.80	19.80	1.80
35	53.20	3.27	26.40	4.30	5.07	1.80
35	53.50	3.00	10.20	4.10	10.99	1.80
35	53.41	3.45	12.00	3.60	3.59	1.80
35	53.30	4.00	15.50	4.10	17.40	1.80
35	53.22	4.35	11.70	4.50	52.42	1.80
35	53.16	4.62	13.10	6.20	88.07	1.80
35	53.65	4.83	10.70	4.10	22.97	1.80
35	54.05	5.67	5.30	3.10	11.20	1.80
35	53.83	6.00	6.80	3.40	15.71	1.80
35	53.65	6.17	11.70	4.70	22.69	1.80
35	53.72	6.50	8.30	4.40	16.63	1.80
35	53.91	6.42	10.10	4.20	18.46	1.80
35	54.10	6.41	9.80	3.90	10.99	1.80
35	54.33	6.41	7.10	3.80	4.79	1.80
35	54.58	6.42	17.40	3.70	4.65	1.80
35	54.42	6.71	8.00	4.10	5.50	1.80
35	54.25	7.00	9.30	3.90	6.06	1.80
35	54.10	6.99	12.90	4.20	17.12	1.80
35	54.02	7.23	8.80	3.90	11.13	1.80
35	53.82	7.39	11.00	4.40	15.92	1.80
35	54.18	7.47	12.70	3.90	7.40	1.80
35	54.27	7.74	20.20	4.50	4.23	1.80
35	54.42	7.66	29.20	5.10	3.66	1.80

35	54.91	7.67	18.10	3.80	4.09	1.80
35	55.16	7.67	22.10	6.30	11.34	1.80
35	55.45	7.67	14.40	5.60	13.46	1.80
35	55.50	7.33	17.10	4.90	9.72	1.80
35	55.50	7.00	14.00	4.80	13.25	1.80
35	55.50	6.50	8.00	3.50	7.33	1.80
35	55.50	6.00	9.90	4.80	6.69	1.80
35	55.50	5.49	13.70	5.60	12.47	1.80
35	55.50	4.98	11.90	4.30	9.44	1.80
35	55.50	4.52	6.70	4.30	9.86	1.80
35	55.50	3.75	9.10	4.10	15.36	1.80
35	55.50	3.16	19.40	4.60	19.37	1.80
35	55.50	2.58	11.00	3.70	12.68	1.80
35	55.50	2.03	11.30	3.30	10.36	1.80
35	55.50	0.90	27.50	3.60	8.67	1.80
35	55.50	0.40	15.80	3.50	8.74	1.80
35	55.50	-0.07	27.90	4.40	10.57	1.80
35	55.50	-0.53	19.80	4.20	14.94	1.80
35	55.51	-0.88	34.50	5.90	11.98	1.80
35	55.50	-1.20	30.90	5.20	9.23	1.80
35	55.50	-1.55	95.60	15.30	13.74	1.80
35	55.33	-1.50	126.10	16.60	13.03	1.80
35	55.16	-1.44	164.90	13.50	8.67	1.80
35	55.00	-1.30	76.00	8.50	5.21	1.80
35	55.01	-0.95	43.50	6.30	10.50	1.80
35	55.00	-0.60	35.30	5.20	12.05	1.80
35	55.00	-0.25	25.10	4.00	19.52	1.80
35	54.86	-0.55	26.90	4.70	9.51	1.80
35	54.73	-0.85	37.90	6.50	7.40	1.80
35	54.59	-0.62	37.00	6.20	7.68	1.80
35	54.52	-0.35	35.60	6.30	9.30	1.80
35	54.44	0.00	16.50	4.40	8.45	1.80
35	54.33	0.40	18.70	4.50	8.03	1.80
35	54.16	0.40	18.70	4.50	4.02	1.80
35	53.91	0.40	15.20	4.70	3.80	1.80
35	53.67	0.40	49.40	6.60	6.34	1.80
35	53.50	0.40	62.40	10.60	4.93	1.80
35	53.33	0.50	30.70	7.20	4.72	1.80
35	53.16	0.51	48.40	7.40	4.79	1.80
35	53.51	0.68	90.70	10.20	10.22	1.80
35	53.59	1.08	43.40	6.80	8.67	1.80
35	53.72	0.72	45.80	6.70	11.48	1.80
35	54.00	1.06	15.00	4.10	8.67	1.80
35	54.16	1.30	8.80	3.60	8.53	1.80
35	54.33	0.77	10.70	3.90	22.19	1.80
35	54.34	1.14	11.40	4.00	-999	1.80
35	54.34	1.49	8.90	2.80	9.09	1.80

35	54.33	2.12	5.40	2.60	2.33	1.80
35	54.08	2.38	5.30	3.30	4.30	1.80
35	53.75	2.74	-999	4.00	6.62	1.80
35	53.57	2.59	9.40	3.90	10.64	1.80
35	53.58	2.16	9.10	4.00	9.72	1.80
35	53.59	1.57	10.90	3.50	11.06	1.80
35	53.01	1.07	-999	7.70	5.57	1.80
35	52.58	4.15	79.20	6.50	30.93	1.80
35	52.46	3.70	17.80	3.20	15.50	1.80
35	52.36	3.26	15.90	4.30	25.57	1.80
35	52.25	2.84	22.00	9.50	23.46	1.80
35	52.17	2.34	14.80	6.90	18.81	1.80
35	52.09	1.84	31.60	11.70	8.95	1.80
35	51.50	1.75	33.60	6.80	16.63	1.80
35	51.20	1.57	21.80	7.70	18.74	1.80
35	51.05	1.84	217.10	41.70	18.74	1.80
35	51.47	2.66	32.90	6.60	18.25	1.80
35	51.84	3.37	38.70	3.10	11.55	1.80
35	52.22	3.87	11.90	3.20	13.32	1.80
35	52.35	4.00	18.60	5.10	12.47	1.80
35	52.62	3.76	11.20	4.20	13.81	1.80
35	52.78	3.62	6.40	3.20	19.30	1.80
35	53.00	3.43	8.70	3.60	15.43	1.80
35	53.21	3.27	9.60	3.60	26.91	1.80
35	53.50	3.00	12.50	4.80	19.45	1.80
35	53.41	3.45	20.60	5.20	19.94	1.80
35	53.30	4.00	17.40	4.40	14.65	1.80
35	53.23	4.33	11.70	4.30	19.73	1.80
35	53.17	4.62	16.10	5.50	22.33	1.80
35	53.65	4.83	9.60	3.70	16.20	1.80
35	53.91	4.83	7.20	2.90	19.30	1.80
35	54.25	4.83	25.90	5.30	6.41	1.80
35	54.32	5.25	9.60	2.60	10.43	1.80
35	54.05	5.67	10.40	-999	13.95	1.80
35	53.94	5.84	4.60	3.20	17.05	1.80
35	53.65	6.16	9.30	3.70	14.44	1.80
35	53.73	6.49	13.20	3.50	21.21	1.80
35	53.94	6.41	16.60	3.70	15.15	1.80
35	54.10	6.42	10.10	4.40	10.92	1.80
35	54.33	6.42	8.30	3.90	5.92	1.80
35	54.42	6.70	16.10	4.40	7.12	1.80
35	54.25	6.99	20.50	4.10	11.06	1.80
35	54.10	6.99	12.10	4.10	13.03	1.80
35	54.01	7.22	5.30	3.30	15.50	1.80
35	53.82	7.33	13.10	5.50	12.12	1.80
35	54.20	7.48	17.60	5.50	7.05	1.80
35	54.27	7.75	19.10	6.00	7.05	1.80

35	54.42	7.67	37.00	6.70	8.95	1.80
35	54.67	7.66	24.60	6.20	8.95	1.80
35	54.92	7.66	19.50	4.70	6.27	1.80
35	55.17	7.67	10.30	4.00	6.62	1.80
35	55.45	7.67	8.30	3.60	7.12	1.80
35	55.50	7.34	10.40	3.30	7.47	1.80
35	55.50	7.00	5.10	3.30	6.62	1.80
35	55.50	6.50	6.90	3.40	9.30	1.80
35	55.50	6.00	11.50	2.90	7.89	1.80
35	55.50	5.50	12.00	3.20	11.34	1.80
35	55.50	4.98	8.00	3.50	9.58	1.80
35	55.50	4.51	9.70	4.10	7.33	1.80
35	55.49	3.75	8.70	3.20	8.53	1.80
35	55.50	3.17	7.80	2.80	9.09	1.80
35	55.50	2.58	6.10	2.60	8.31	1.80
35	55.50	2.03	4.40	3.00	8.95	1.80
35	55.49	1.41	8.20	3.00	12.19	1.80
35	55.50	0.90	10.40	2.70	11.98	1.80
35	55.50	0.40	4.00	2.80	10.85	1.80
35	55.50	-0.07	11.20	3.90	12.12	1.80
35	55.50	-0.53	12.70	3.20	7.75	1.80
35	55.50	-0.86	11.80	3.50	6.62	1.80
35	55.50	-1.20	11.50	3.00	8.31	1.80
35	55.50	-1.55	94.10	15.50	25.01	1.80
35	55.34	-1.50	84.50	14.30	20.92	1.80
35	55.17	-1.45	162.50	14.20	14.58	1.80
35	55.00	-1.30	275.00	20.40	15.29	1.80
35	55.00	-0.95	36.80	5.00	8.17	1.80
35	55.00	-0.60	19.30	4.30	11.55	1.80
35	55.00	-0.25	13.10	2.80	15.36	1.80
35	54.87	-0.55	12.90	3.20	9.65	1.80
35	54.73	-0.85	27.40	5.60	7.89	1.80
35	54.65	-0.90	61.90	8.60	9.72	1.80
35	54.58	-0.62	60.00	9.10	9.16	1.80
35	54.52	-0.35	30.80	6.20	7.33	1.80
35	54.43	0.00	27.00	4.80	8.67	1.80
35	54.33	0.40	13.90	3.90	16.98	1.80
35	54.68	0.55	5.20	2.80	22.62	1.80
35	55.10	0.73	7.50	2.90	12.26	1.80
35	55.25	1.17	7.20	3.90	14.65	1.80
35	55.08	1.33	6.20	3.60	8.88	1.80
35	54.93	1.50	6.20	2.90	7.61	1.80
35	54.66	1.48	6.10	3.10	6.34	1.80
35	54.33	1.50	7.30	3.20	6.41	1.80
35	54.33	1.13	7.30	3.20	11.84	1.80
35	54.33	0.77	13.70	3.90	13.81	1.80
35	54.17	0.40	22.50	5.30	9.58	1.80

35	53.92	0.40	42.90	7.00	7.68	1.80
35	53.74	0.71	33.80	6.10	12.82	1.80
35	53.58	1.08	35.10	5.80	11.63	1.80
35	53.66	0.40	44.90	7.10	9.16	1.80
35	53.50	0.40	69.00	11.10	8.03	1.80
35	53.51	0.68	83.40	10.00	11.98	1.80
35	53.34	0.50	51.70	10.40	21.98	1.80
35	53.17	0.52	58.30	10.50	16.49	1.80
35	53.21	0.77	81.30	12.60	22.05	1.80
35	53.02	1.06	67.20	11.30	12.05	1.80
35	52.67	2.83	-999	-999	23.11	1.80
35	52.61	4.00	-999	-999	29.38	1.80
35	52.62	4.33	-999	-999	15.29	1.80
35	52.62	3.77	-999	-999	30.44	1.80
35	52.46	3.70	-999	-999	15.36	1.80
35	52.35	3.26	-999	-999	11.34	1.80
35	52.24	2.83	-999	-999	10.29	1.80
35	52.17	2.33	-999	-999	9.65	1.80
35	52.09	1.84	-999	-999	12.68	1.80
35	51.78	1.78	-999	-999	15.99	1.80
35	51.50	1.74	190.70	20.70	13.46	1.80
35	51.18	1.57	129.50	23.80	15.64	1.80
35	51.05	1.84	71.20	24.50	19.37	1.80
35	51.46	2.67	-999	3.70	25.50	1.80
35	51.74	2.99	12.60	3.30	21.49	1.80
35	51.83	3.36	18.70	-999	20.71	1.80
35	52.15	3.51	10.80	3.70	10.36	1.80
35	52.22	3.87	37.90	3.70	9.72	1.80
35	52.35	4.01	32.00	3.70	15.99	1.80
35	52.62	3.76	8.50	2.50	21.42	1.80
35	52.78	3.62	11.00	5.70	13.10	1.80
35	53.00	3.43	8.30	3.20	15.99	1.80
35	53.20	3.26	7.40	2.90	19.37	1.80
35	53.50	3.01	5.90	2.70	20.01	1.80
35	53.41	3.46	6.10	2.60	-999	1.80
35	53.30	4.00	5.20	2.80	14.44	1.80
35	53.22	4.33	4.60	1.60	15.99	1.80
35	53.65	4.84	4.60	4.70	11.20	1.80
35	53.92	4.83	7.60	2.10	7.40	1.80
35	54.25	4.84	7.30	4.80	16.63	1.80
35	54.58	4.83	5.50	2.20	7.68	1.80
35	54.31	5.24	5.60	2.20	8.31	1.80
35	54.05	5.67	3.60	1.80	8.24	1.80
35	53.94	5.84	7.10	2.40	9.51	1.80
35	53.65	6.17	10.00	4.70	13.32	1.80
35	53.72	6.50	13.00	3.90	12.82	1.80
35	53.91	6.42	6.30	2.50	12.54	1.80

35	54.10	6.42	7.00	2.80	17.97	1.80
35	54.33	6.42	10.00	3.60	15.08	1.80
35	54.58	6.42	7.90	3.20	9.09	1.80
35	54.41	6.71	14.40	3.80	9.58	1.80
35	54.25	7.00	8.80	4.90	16.49	1.80
35	54.10	7.00	5.40	4.60	24.52	1.80
35	53.82	7.33	3.60	4.40	29.03	1.80
35	54.19	7.47	22.20	8.60	10.22	1.80
35	54.27	7.75	8.80	4.90	16.49	1.80
35	54.41	7.67	252.10	47.90	12.40	1.80
35	54.67	7.67	47.30	14.30	10.36	1.80
35	54.92	7.66	12.50	5.50	10.22	1.80
35	55.50	7.33	13.20	4.40	25.50	1.80
35	55.50	7.00	7.60	3.30	16.63	1.80
35	55.50	6.00	7.10	2.30	9.58	1.80
35	55.49	5.51	6.90	2.00	11.84	1.80
35	55.50	4.99	8.00	2.40	12.33	1.80
35	55.50	4.53	6.30	2.20	4.30	1.80
35	55.83	4.00	8.00	2.40	13.10	1.80
35	55.50	3.17	-999	-999	14.73	1.80
35	55.50	2.59	4.20	1.60	13.32	1.80
35	55.50	2.04	4.20	1.10	13.46	1.80
35	55.50	1.41	5.60	1.50	-999	1.80
35	55.50	0.90	6.60	2.50	10.29	1.80
35	55.50	0.40	3.50	1.20	12.68	1.80
35	55.50	-0.07	3.80	1.60	14.73	1.80
35	55.50	-0.54	5.90	1.60	9.44	1.80
35	55.50	-0.87	6.10	1.80	11.70	1.80
35	55.50	-1.20	9.10	2.50	10.64	1.80
35	55.50	-1.55	89.70	15.10	15.92	1.80
35	55.34	-1.50	98.60	17.40	14.80	1.80
35	55.17	-1.45	66.20	12.20	14.23	1.80
35	55.00	-1.30	69.40	11.90	15.36	1.80
35	55.01	-0.96	15.90	2.90	-999	1.80
35	55.00	-0.60	8.90	2.50	-999	1.80
35	55.00	-0.25	7.40	2.10	-999	1.80
35	54.86	-0.55	10.40	3.00	13.88	1.80
35	54.73	-0.85	82.30	10.30	13.03	1.80
35	54.65	-1.05	104.20	15.00	-999	1.80
35	54.59	-0.63	29.00	5.10	10.57	1.80
35	54.52	-0.35	23.90	4.90	11.98	1.80
35	54.43	0.01	16.40	3.70	10.85	1.80
35	54.33	0.40	19.20	4.80	13.53	1.80
35	54.69	0.55	6.90	1.70	20.85	1.80
35	55.11	0.72	5.00	1.30	15.64	1.80
35	55.25	1.17	6.40	2.20	9.86	1.80
35	55.00	2.00	7.00	1.70	11.55	1.80

35	54.92	1.50	5.00	3.00	8.67	1.80
35	54.65	1.50	4.30	1.60	11.13	1.80
35	54.33	2.13	6.60	2.80	16.56	1.80
35	54.09	2.38	5.40	4.30	11.48	1.80
35	53.75	2.74	9.80	3.40	-999	1.80
35	53.59	2.58	6.60	2.00	9.86	1.80
35	53.58	2.17	10.00	2.90	10.92	1.80
35	53.58	1.57	13.00	2.50	9.09	1.80
35	53.73	0.71	34.50	7.10	10.08	1.80
35	53.99	1.05	13.70	3.50	7.05	1.80
35	54.17	1.28	8.60	3.30	6.90	1.80
35	54.33	1.50	5.50	2.00	9.93	1.80
35	54.33	1.14	9.10	3.00	9.72	1.80
35	54.33	0.76	15.60	4.70	9.86	1.80
35	53.92	0.40	36.80	8.40	-999	1.80
35	53.67	0.39	87.00	14.70	15.43	1.80
35	53.50	0.40	101.40	14.60	12.75	1.80
35	53.51	0.68	73.50	12.40	8.53	1.80
35	53.33	0.50	49.20	10.20	7.47	1.80
35	53.17	0.52	52.80	12.20	11.41	1.80
35	53.21	0.79	52.20	11.20	8.60	1.80
35	53.02	1.06	43.90	8.60	9.58	1.80
35	53.03	1.44	96.70	15.00	8.45	1.80
35	52.72	1.93	49.80	11.70	9.16	1.80
35	52.72	1.93	70.70	11.30	11.55	1.80
35	52.70	2.41	33.90	9.00	7.19	1.80
35	52.62	4.34	28.50	7.30	11.77	1.80
35	52.58	4.15	13.50	4.70	8.03	1.80
35	52.46	3.69	12.90	3.10	10.92	1.80
35	52.36	3.26	10.60	3.00	12.68	1.80
35	52.25	2.83	15.00	3.40	7.54	1.80
35	52.17	2.34	18.30	7.70	15.22	1.80
35	52.08	1.84	34.90	10.40	8.53	1.80
35	51.05	1.82	49.60	10.20	14.58	1.80
35	51.46	2.66	30.50	13.20	10.50	1.80
35	51.84	3.37	18.70	9.30	10.29	1.80
35	52.78	3.62	12.50	1.80	17.40	1.80
35	53.00	3.43	7.90	3.10	12.19	1.80
35	53.20	3.27	12.30	3.30	8.95	1.80
35	53.50	3.00	12.70	2.50	9.23	1.80
35	53.41	3.45	10.10	3.20	8.95	1.80
35	53.30	4.00	9.70	2.60	9.93	1.80
35	53.92	4.83	15.90	3.70	4.02	1.80
35	54.25	4.83	7.30	3.70	5.43	1.80
35	54.58	4.83	4.80	2.20	7.75	1.80
35	54.32	5.25	5.80	3.60	5.28	1.80
35	54.05	5.67	17.60	4.90	5.50	1.80

35	53.94	5.83	21.90	5.90	8.95	1.80
35	53.83	6.00	16.70	6.50	10.85	1.80
35	54.58	6.42	9.20	3.50	10.08	1.80
35	54.42	6.71	8.50	4.80	5.28	1.80
35	54.25	7.00	11.00	10.60	2.75	1.80
35	54.10	7.00	13.50	11.10	3.66	1.80
35	54.01	7.23	15.20	8.10	7.05	1.80
35	53.83	7.34	15.70	7.30	7.89	1.80
35	54.19	7.47	13.80	10.10	3.10	1.80
35	54.27	7.75	34.70	15.90	6.13	1.80
35	55.50	7.34	8.10	4.10	6.98	1.80
35	55.50	7.00	4.20	3.30	5.92	1.80
35	55.50	6.50	8.70	3.20	8.31	1.80
35	55.50	6.00	9.10	2.50	5.14	1.80
35	55.50	5.51	5.40	1.90	10.00	1.80
35	55.01	-1.30	-999	-999	9.30	1.80
35	55.00	-0.95	31.70	7.30	22.40	1.80
35	55.00	-0.60	10.30	2.20	22.40	1.80
35	54.86	-0.55	7.10	2.50	19.30	1.80
35	54.73	-0.85	11.20	4.90	19.73	1.80
35	54.65	-1.05	82.70	22.80	11.34	1.80
35	54.59	-0.62	13.50	5.00	17.90	1.80
35	55.00	-0.25	-999	1.30	18.46	1.80
35	55.50	-1.55	70.90	17.20	13.53	1.80
35	55.49	-1.19	47.50	7.00	10.92	1.80
35	55.50	-0.87	11.60	2.20	13.18	1.80
35	55.50	-0.53	6.80	1.60	13.39	1.80
35	55.50	-0.07	5.50	1.40	9.86	1.80
35	55.50	1.42	-999	1.60	11.84	1.80
35	55.25	1.17	14.20	2.50	13.39	1.80
35	55.09	1.33	10.20	2.50	15.64	1.80
35	54.93	1.50	10.90	1.90	7.54	1.80
35	54.65	1.50	11.40	2.30	3.95	1.80
35	54.33	2.12	9.80	3.60	6.13	1.80
35	54.33	1.51	10.00	4.20	5.14	1.80
35	53.92	0.39	17.80	4.80	26.21	1.80
35	53.67	0.40	40.40	9.70	11.06	1.80
35	53.50	0.40	69.00	10.00	9.65	1.80
35	53.33	0.50	27.90	9.10	3.95	1.80
35	53.17	0.52	52.80	11.20	5.85	1.80
35	53.21	0.78	55.40	12.10	5.78	1.80
35	53.01	1.45	67.90	12.80	5.78	1.80
35	52.72	1.93	22.20	6.00	5.43	1.80
35	52.69	2.41	18.10	8.10	6.06	1.80
35	52.67	2.83	21.10	5.30	13.03	1.80
35	52.62	3.75	8.60	2.60	9.02	1.80
35	52.61	4.00	7.70	2.40	10.57	1.80

35	52.62	4.33	9.00	4.60	7.96	1.80
35	52.47	3.70	7.50	3.00	11.48	1.80
35	52.36	3.27	12.00	3.90	11.34	1.80
35	52.25	2.83	19.00	6.00	10.22	1.80
35	52.17	2.33	15.90	6.60	5.85	1.80
35	52.09	1.84	36.60	21.80	3.31	1.80
35	51.78	1.78	23.20	10.20	4.79	1.80
35	51.50	1.75	29.80	8.20	5.28	1.80
35	51.18	1.57	28.10	5.20	5.35	1.80
35	51.47	2.67	36.90	27.20	10.92	1.80
35	51.76	3.00	25.40	10.30	9.44	1.80
35	51.83	3.37	16.50	6.20	8.60	1.80
35	52.13	3.50	8.70	4.40	8.74	1.80
35	52.22	3.87	15.20	6.30	6.90	1.80
35	52.35	4.00	21.30	7.90	7.82	1.80
35	52.62	3.77	4.60	2.40	9.30	1.80
35	52.78	3.62	7.10	2.20	10.22	1.80
35	53.00	3.43	6.00	1.40	8.88	1.80
35	53.49	3.01	7.30	1.90	7.40	1.80
35	53.41	3.45	12.80	2.40	6.76	1.80
35	53.30	4.00	9.50	2.10	11.41	1.80
35	53.22	4.33	11.50	2.40	7.89	1.80
35	53.16	4.62	10.90	4.30	8.24	1.80
35	53.65	4.83	12.90	2.40	8.88	1.80
35	53.92	4.83	5.40	2.90	5.71	1.80
35	54.25	4.83	9.10	3.50	5.57	1.80
35	54.58	4.83	4.40	2.80	17.47	1.80
35	54.32	5.25	4.70	2.70	7.26	1.80
35	54.05	5.66	10.30	3.10	8.45	1.80
35	53.94	5.83	10.90	4.10	3.59	1.80
35	53.83	6.00	8.50	4.00	4.23	1.80
35	53.65	6.17	9.40	5.40	5.50	1.80
35	53.72	6.50	8.20	3.60	17.40	1.80
35	53.92	6.41	8.10	3.90	9.16	1.80
35	54.10	6.41	10.10	3.90	8.03	1.80
35	54.33	6.41	11.40	4.10	5.57	1.80
35	54.25	7.00	7.90	5.60	5.92	1.80
35	54.10	7.00	9.50	4.80	7.61	1.80
35	53.83	7.33	19.40	10.20	10.08	1.80
35	54.01	7.23	12.40	6.60	8.53	1.80
35	54.18	7.46	15.50	7.80	7.33	1.80
35	54.27	7.75	18.20	14.70	4.44	1.80
35	54.42	7.67	9.30	17.80	5.50	1.80
35	54.67	7.67	7.20	7.80	3.88	1.80
35	54.91	7.67	9.20	6.70	3.95	1.80
35	55.17	7.66	7.20	8.80	2.89	1.80
35	55.45	7.67	4.40	6.80	3.17	1.80

35	55.50	7.34	7.90	12.40	4.79	1.80
35	55.50	7.00	4.90	6.60	6.13	1.80
35	55.50	6.00	3.80	2.10	13.95	1.80
35	55.50	5.50	4.70	2.20	15.92	1.80
35	55.50	4.99	5.10	2.30	27.05	1.80
35	55.50	4.51	4.10	1.80	14.65	1.80
35	55.50	3.73	4.80	1.60	11.91	1.80
35	55.50	3.17	4.30	2.60	9.02	1.80
35	55.50	2.03	5.30	1.70	14.44	1.80
35	55.50	1.42	4.60	2.10	7.89	1.80
35	55.50	0.92	4.40	3.00	12.47	1.80
35	55.50	0.40	4.00	-999	10.36	1.80
35	55.50	-0.07	5.10	2.00	10.43	1.80
35	55.50	-0.53	5.50	2.40	10.85	1.80
35	55.50	-0.87	6.30	2.60	10.99	1.80
35	55.50	-1.20	6.80	3.20	11.48	1.80
35	55.50	-1.55	42.60	11.00	12.05	1.80
35	55.35	-1.49	58.20	11.70	9.86	1.80
35	55.00	-1.30	63.10	11.30	10.36	1.80
35	55.00	-0.95	15.40	5.80	10.85	1.80
35	55.00	-0.60	7.60	3.20	13.67	1.80
35	55.00	-0.25	5.30	3.00	13.18	1.80
35	54.86	-0.55	9.70	4.70	14.58	1.80
35	54.73	-0.85	12.10	6.70	8.24	1.80
35	54.65	-1.05	59.50	10.60	7.40	1.80
35	54.57	-0.62	22.60	8.70	7.61	1.80
35	54.52	-0.35	16.30	8.10	7.26	1.80
35	54.43	0.00	9.10	4.80	10.22	1.80
35	54.33	0.41	5.90	3.60	5.50	1.80
35	54.69	0.55	6.30	3.10	13.39	1.80
35	55.10	0.73	3.60	2.50	9.16	1.80
35	55.25	1.17	4.70	2.40	11.55	1.80
35	55.08	1.33	2.10	2.90	10.22	1.80
35	54.93	1.50	3.80	2.20	14.37	1.80
35	54.65	1.50	4.30	2.50	12.47	1.80
35	54.33	1.50	6.40	3.10	6.20	1.80
35	54.33	1.13	3.90	3.00	5.28	1.80
35	54.17	1.29	3.40	2.50	4.93	1.80
35	54.00	1.06	3.40	3.00	5.21	1.80
35	54.34	0.76	4.20	2.80	7.05	1.80
35	54.17	0.40	6.80	4.30	8.17	1.80
35	53.92	0.40	8.20	4.70	7.40	1.80
35	53.73	0.72	13.40	4.50	7.05	1.80
35	53.58	1.08	7.60	3.60	6.41	1.80
35	53.67	0.40	8.90	3.70	6.62	1.80
35	53.52	0.41	23.30	6.90	5.78	1.80
35	53.33	0.50	14.80	4.30	7.61	1.80

35	53.17	0.52	16.70	5.60	4.44	1.80
35	53.22	0.78	24.30	5.90	6.34	1.80
35	53.02	1.07	24.30	6.20	5.35	1.80
35	53.02	1.45	31.90	7.40	6.98	1.80
35	52.67	2.83	16.60	5.90	8.95	1.80
35	52.62	4.00	10.70	3.30	-999	1.80
35	52.62	4.33	19.60	5.80	16.63	1.80
35	52.58	4.15	10.70	3.00	12.40	1.80
35	52.62	3.77	9.40	3.00	12.40	1.80
35	52.47	3.70	7.70	3.20	12.33	1.80
35	52.36	3.27	16.00	4.20	13.95	1.80
35	52.25	2.83	11.30	4.50	11.41	1.80
35	52.09	1.84	22.60	9.30	5.21	1.80
35	51.79	1.79	24.70	10.90	8.95	1.80
35	51.50	1.75	7.90	5.40	8.60	1.80
35	51.18	1.56	10.70	4.40	8.31	1.80
35	51.05	1.83	8.50	5.30	9.02	1.80
35	51.47	2.67	18.80	7.50	14.58	1.80
35	51.75	3.00	15.10	6.40	13.81	1.80
35	51.83	3.37	11.20	5.50	12.26	1.80
35	52.13	3.50	10.60	4.10	11.91	1.80
35	52.22	3.87	5.30	3.20	15.22	1.80
35	52.35	4.00	9.10	3.80	15.01	1.80
35	52.62	3.77	12.70	2.80	16.91	1.80
35	52.78	3.62	4.00	2.60	8.67	1.80
35	53.00	3.43	5.20	2.60	9.09	1.80
35	53.20	3.27	5.40	2.50	12.54	1.80
35	53.50	3.00	3.80	2.30	11.41	1.80
35	53.41	3.45	10.70	3.40	6.76	1.80
35	53.30	4.00	8.30	1.90	6.76	1.80
35	53.23	4.34	4.40	1.50	10.43	1.80
35	53.17	4.61	7.30	4.10	12.47	1.80
35	53.92	4.83	8.90	3.70	8.17	1.80
35	54.32	5.24	9.90	5.20	6.13	1.80
35	54.05	5.67	8.50	3.20	8.95	1.80
35	53.83	6.01	15.40	4.40	14.51	1.80
35	53.65	6.17	14.80	5.60	12.40	1.80
35	53.72	6.50	12.20	4.70	13.32	1.80
35	53.92	6.41	9.90	3.50	13.25	1.80
35	54.10	6.42	7.20	3.30	10.71	1.80
35	54.58	6.42	3.20	5.80	7.12	1.80
35	54.42	6.71	6.70	4.50	10.64	1.80
35	54.25	7.00	9.20	5.30	12.26	1.80
35	54.10	7.00	6.40	5.60	10.15	1.80
35	53.82	7.33	10.50	8.10	9.44	1.80
35	54.19	7.47	14.60	4.90	8.10	1.80
35	54.27	7.75	11.80	6.10	7.96	1.80

35	54.42	7.67	15.20	7.40	15.64	1.80
35	54.67	7.67	19.80	7.90	9.93	1.80
35	54.92	7.67	11.40	6.00	9.23	1.80
35	55.17	7.67	9.30	4.30	8.60	1.80
35	55.45	7.67	23.20	7.50	14.58	1.80
35	55.50	7.33	9.10	3.70	12.89	1.80
35	55.50	6.50	7.00	3.80	7.47	1.80
35	55.50	6.00	4.80	2.10	5.92	1.80
35	55.54	5.45	5.20	1.80	7.19	1.80
35	55.50	4.99	5.30	2.20	9.30	1.80
35	55.50	4.51	4.90	2.30	7.47	1.80
35	55.50	3.75	3.60	1.80	9.23	1.80
35	55.50	3.17	4.10	2.10	6.55	1.80
35	55.50	2.59	4.80	2.10	6.98	1.80
35	55.50	2.03	4.40	2.10	6.98	1.80
35	55.50	1.41	3.90	2.00	5.78	1.80
35	55.50	0.90	4.40	2.10	6.48	1.80
35	55.50	0.40	5.30	2.40	7.61	1.80
35	55.50	-0.07	5.50	3.00	10.15	1.80
35	55.50	-0.53	4.90	2.60	9.86	1.80
35	55.50	-0.87	5.90	2.90	5.28	1.80
35	55.50	-1.20	4.50	2.50	7.89	1.80
35	55.50	-1.55	58.20	13.60	8.17	1.80
35	55.34	-1.50	60.50	13.30	9.30	1.80
35	55.17	-1.45	110.40	13.10	7.75	1.80
35	55.00	-1.30	82.50	14.30	7.89	1.80
35	55.00	-0.95	32.60	7.90	5.21	1.80
35	55.00	-0.60	17.40	5.30	5.35	1.80
35	55.00	-0.25	6.80	3.10	9.23	1.80
35	54.87	-0.55	8.70	4.30	6.48	1.80
35	54.73	-0.85	19.00	7.10	7.33	1.80
35	54.65	-1.06	95.40	16.60	14.44	1.80
35	54.65	-0.89	28.10	7.80	7.82	1.80
35	54.58	-0.62	34.30	10.10	6.98	1.80
35	54.52	-0.35	23.70	10.00	7.96	1.80
35	54.43	0.00	13.80	7.40	6.34	1.80
35	54.34	0.40	15.30	7.70	5.21	1.80
35	54.68	0.54	11.60	5.30	5.50	1.80
35	55.10	0.73	5.50	2.70	4.79	1.80
35	55.25	1.17	5.10	2.50	5.28	1.80
35	55.08	1.33	4.30	2.30	4.93	1.80
35	54.92	1.50	5.30	2.60	6.76	1.80
35	54.65	1.50	5.20	2.60	5.35	1.80
35	54.33	2.13	4.50	2.00	4.72	1.80
35	54.33	1.50	11.90	3.30	5.64	1.80
35	54.33	1.13	7.40	3.20	4.58	1.80
35	54.17	1.28	6.70	2.80	4.30	1.80

35	54.00	1.06	4.60	2.80	4.30	1.80
35	54.33	0.76	9.00	3.70	5.07	1.80
35	54.17	0.39	11.80	6.10	5.21	1.80
35	53.92	0.40	10.50	3.60	3.80	1.80
35	53.73	0.72	103.30	3.60	5.85	1.80
35	53.58	1.09	17.80	4.50	5.00	1.80
35	53.67	0.40	22.80	5.20	6.83	1.80
35	53.50	0.40	24.90	5.50	5.85	1.80
35	53.52	0.69	34.10	8.30	4.79	1.80
35	53.33	0.50	17.40	3.70	-999	1.80
35	53.16	0.51	21.50	4.50	72.07	1.80
35	53.22	0.79	15.00	4.80	2.75	1.80
35	53.02	1.07	13.80	4.70	3.31	1.80
35	53.02	1.45	19.20	5.10	1.69	1.80
36	28.15	-15.35	28.68	-999	2.72	8.00
36	27.84	-15.30	25.33	-999	3.40	8.00
36	27.53	-15.59	9.64	-999	4.60	8.00
36	24.83	-17.83	3.12	-999	1.75	8.00
36	24.37	-18.20	2.91	-999	2.33	8.00
36	23.90	-18.59	3.29	-999	1.88	8.00
36	23.42	-18.99	2.21	-999	1.91	8.00
36	22.77	-19.52	2.60	-999	3.10	8.00
36	21.28	-20.72	1.27	-999	1.80	8.00
36	20.91	-20.65	4.17	-999	3.27	8.00
36	20.21	-20.52	5.12	-999	2.84	8.00
36	16.76	-19.90	3.60	-999	3.80	8.00
36	16.12	-19.79	2.77	-999	5.52	8.00
36	15.39	-19.66	2.30	-999	6.37	8.00
36	14.67	-19.54	2.69	-999	4.59	8.00
36	13.98	-19.41	1.60	-999	5.07	8.00
36	11.25	-18.79	2.02	-999	6.97	8.00
36	10.61	-18.64	2.49	-999	6.75	8.00
36	9.95	-18.46	2.10	-999	9.48	8.00
36	6.57	-15.73	4.25	-999	5.85	8.00
36	6.25	-15.47	1.97	-999	7.27	8.00
36	5.50	-14.87	1.85	-999	10.35	8.00
36	5.12	-14.57	2.04	-999	10.50	8.00
36	4.93	-14.42	2.14	-999	6.06	8.00
36	4.17	-13.81	1.95	-999	10.33	8.00
36	2.06	-12.12	2.17	-999	7.32	8.00
36	1.57	-11.72	2.85	-999	7.85	8.00
36	1.00	-11.27	2.56	-999	4.40	8.00
36	0.45	-10.83	4.11	-999	4.67	8.00
36	-0.30	-10.23	6.44	-999	4.23	8.00
36	-2.16	-8.74	6.08	-999	4.27	8.00
36	-2.28	-8.65	5.54	-999	2.86	8.00
36	-2.78	-8.25	2.04	-999	3.16	8.00

36	-3.30	-7.83	3.79	-999	3.84	8.00
36	-4.18	-7.13	5.90	-999	4.49	8.00
36	-6.51	-5.26	4.72	-999	4.32	8.00
36	-7.01	-4.86	4.78	-999	2.78	8.00
36	-10.85	-1.75	1.92	-999	3.42	8.00
36	-11.38	-1.32	1.99	-999	5.16	8.00
36	-11.88	-0.93	3.03	-999	5.61	8.00
36	-12.41	-0.48	1.40	-999	3.57	8.00
36	-12.94	-0.04	1.66	-999	3.04	8.00
36	-15.09	1.72	2.76	-999	3.36	8.00
36	-15.57	2.12	2.44	-999	5.22	8.00
36	-16.08	2.54	2.57	-999	4.84	8.00
36	-16.60	2.98	2.53	-999	3.65	8.00
36	-16.94	3.26	2.90	-999	4.47	8.00
36	-19.11	5.09	2.87	-999	3.70	8.00
36	-19.54	5.45	2.77	-999	3.86	8.00
36	-20.02	5.85	1.60	-999	4.28	8.00
36	-20.48	6.25	2.67	-999	3.51	8.00
36	-20.95	6.65	2.84	-999	3.40	8.00
36	-22.79	8.23	1.46	-999	4.52	8.00
36	-23.19	8.58	2.36	-999	4.20	8.00
36	-23.96	9.25	2.21	-999	3.25	8.00
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37	-36.03	19.24	4.24	-999	3.50	8.00
37	-36.59	19.57	2.47	-999	4.81	8.00
37	-38.98	21.34	3.20	-999	3.25	8.00
37	-39.45	21.34	1.71	-999	2.80	8.00
37	-39.96	21.31	2.11	-999	2.71	8.00
37	-40.54	21.17	2.28	-999	3.33	8.00
37	-41.01	21.05	2.56	-999	4.08	8.00
37	-43.49	20.40	2.26	-999	2.16	8.00
37	-44.02	20.26	1.53	-999	1.27	8.00
37	-44.75	20.07	2.08	-999	0.25	8.00
37	-45.00	20.00	2.42	-999	0.90	8.00
37	-45.96	20.00	1.54	-999	0.98	8.00
37	-46.05	20.00	2.17	-999	0.71	8.00
37	-46.31	20.00	2.82	-999	1.38	8.00
37	-47.02	20.00	3.05	-999	1.02	8.00
37	-47.51	20.00	3.89	-999	1.20	8.00
37	-47.95	20.00	4.68	-999	0.91	8.00
37	-48.42	20.00	3.83	-999	1.15	8.00
37	-48.88	20.00	3.79	-999	0.98	8.00
37	-49.29	20.01	2.99	-999	1.30	8.00
37	-49.35	20.00	4.37	-999	0.74	8.00
37	-49.82	20.00	3.20	-999	0.62	8.00
37	-52.00	20.00	3.31	-999	0.51	8.00
37	-50.54	20.00	3.84	-999	0.74	8.00
37	-50.05	20.00	3.00	-999	0.93	8.00

37	-49.61	20.00	2.85	-999	1.06	8.00
38	43.41	-57.48	-999	-999	1.51	10.00
38	43.41	-57.48	-999	-999	1.40	5.00
38	43.41	-57.48	-999	-999	1.58	5.00
38	43.50	-57.45	-999	-999	1.47	10.00
38	43.50	-57.45	-999	-999	1.36	5.00
38	43.60	-57.44	-999	-999	1.09	10.00
38	43.60	-57.44	-999	-999	1.01	5.00
38	43.60	-57.44	-999	-999	1.25	5.00
38	43.68	-57.46	-999	-999	1.20	10.00
38	43.68	-57.46	-999	-999	1.15	5.00
38	43.78	-57.70	-999	-999	1.57	10.00
38	43.78	-57.70	-999	-999	1.59	5.00
38	43.78	-57.70	-999	-999	1.60	5.00
38	39.00	-57.46	-999	-999	2.63	10.00
38	36.84	-54.38	-999	-999	3.54	10.00
38	36.84	-54.38	-999	-999	3.58	5.00
38	36.84	-54.38	-999	-999	3.58	5.00
38	36.93	-54.42	-999	-999	3.72	10.00
38	36.93	-54.42	-999	-999	3.55	5.00
38	36.93	-54.42	-999	-999	3.78	-999.00
38	42.32	-45.01	-999	-999	1.44	10.00
38	42.32	-45.01	-999	-999	1.39	5.00
38	42.32	-45.01	-999	-999	1.45	5.00
38	46.49	-45.01	-999	-999	0.85	10.00
38	46.49	-45.01	-999	-999	0.85	5.00
38	46.49	-45.01	-999	-999	0.85	5.00
38	50.66	-44.99	-999	-999	0.61	10.00
38	50.67	-45.00	-999	-999	0.72	5.00
38	50.67	-45.00	-999	-999	0.62	5.00
38	54.83	-44.99	-999	-999	0.60	10.00
38	54.83	-44.99	-999	-999	0.52	5.00
38	43.40	-57.67	-999	-999	3.26	10.00
38	43.40	-57.67	-999	-999	3.23	10.00
38	43.40	-57.67	-999	-999	3.36	10.00
38	43.40	-57.67	-999	-999	3.41	10.00
38	43.40	-57.67	-999	-999	3.44	10.00
38	43.40	-57.67	-999	-999	3.34	10.00
38	43.40	-57.67	-999	-999	3.33	10.00
38	43.40	-57.67	-999	-999	3.42	10.00
38	43.37	-57.71	-999	-999	3.60	10.00
38	43.37	-57.71	-999	-999	3.56	5.00
38	43.35	-57.73	-999	-999	4.14	10.00
38	43.35	-57.73	-999	-999	3.64	5.00
38	43.35	-57.73	-999	-999	3.54	5.00
38	43.80	-57.50	-999	-999	1.11	4.00
38	42.80	-57.50	-999	-999	2.37	4.00

38	42.50	-57.50	-999	-999	2.41	4.00
38	42.10	-57.50	-999	-999	3.24	4.00
38	39.20	-57.50	-999	-999	3.01	4.00
38	37.20	-54.10	-999	-999	5.77	4.00
38	38.10	-52.50	-999	-999	3.41	4.00
38	38.40	-52.00	-999	-999	3.42	4.00
38	38.70	-51.40	-999	-999	3.12	4.00
38	38.90	-51.00	-999	-999	2.86	4.00
38	39.20	-50.50	-999	-999	3.14	4.00
38	39.60	-49.90	-999	-999	3.58	4.00
38	40.00	-49.20	-999	-999	3.07	4.00
38	40.30	-48.60	-999	-999	3.11	4.00
38	40.40	-48.50	-999	-999	3.40	4.00
38	44.00	-45.00	-999	-999	1.53	4.00
38	44.40	-45.00	-999	-999	2.15	4.00
38	47.10	-45.00	-999	-999	1.01	4.00
38	47.80	-45.00	-999	-999	1.01	4.00
38	48.20	-45.00	-999	-999	0.79	4.00
38	51.30	-45.00	-999	-999	0.92	4.00
38	51.90	-45.00	-999	-999	0.88	4.00
38	54.20	-45.00	-999	-999	0.50	4.00
38	53.70	-45.00	-999	-999	0.62	4.00
38	52.80	-45.00	-999	-999	0.71	4.00
38	50.20	-45.50	-999	-999	1.08	4.00
38	49.80	-46.50	-999	-999	1.06	4.00
38	49.20	-47.50	-999	-999	0.62	4.00
38	47.40	-50.90	-999	-999	1.62	4.00
38	47.90	-51.40	-999	-999	1.70	4.00
38	46.70	-52.00	-999	-999	1.66	4.00
38	46.50	-52.40	-999	-999	1.43	4.00
38	46.20	-52.90	-999	-999	1.50	4.00
38	45.80	-53.50	-999	-999	2.84	4.00
39	43.43	-57.66	-999	-999	15.02	8.00
39	43.43	-57.66	-999	-999	18.47	8.00
39	43.43	-57.66	-999	-999	11.30	1.00
39	43.43	-57.66	-999	-999	11.36	1.00
39	43.43	-57.66	-999	-999	11.46	1.00
39	43.43	-57.66	-999	-999	12.40	1.00
39	43.51	-57.31	-999	-999	-999	10.00
39	43.51	-57.31	-999	-999	14.17	5.00
39	39.00	-57.48	-999	-999	5.09	1.00
39	36.81	-54.70	-999	-999	7.12	1.00
39	36.66	-57.60	-999	-999	6.50	1.00
39	36.66	-57.60	-999	-999	6.63	1.00
39	39.88	-49.24	-999	-999	4.79	1.00
39	39.88	-49.24	-999	-999	4.89	1.00
39	42.34	-45.01	-999	-999	6.48	1.00

39	42.43	-44.92	-999	-999	5.20	1.00
39	42.43	-44.92	-999	-999	5.34	1.00
39	46.50	-45.03	-999	-999	7.26	10.00
39	46.50	-45.03	-999	-999	7.25	6.00
39	46.50	-45.03	-999	-999	7.01	1.00
39	46.50	-45.03	-999	-999	7.04	1.00
39	46.50	-45.03	-999	-999	7.23	1.00
39	50.66	-44.97	-999	-999	4.39	7.00
39	50.66	-44.97	-999	-999	3.23	1.00
39	50.66	-44.97	-999	-999	3.83	1.00
39	50.75	-44.75	-999	-999	3.74	1.00
39	54.86	-45.00	-999	-999	3.37	1.00
39	54.86	-45.02	-999	-999	3.54	1.00
39	54.86	-45.02	-999	-999	3.58	1.00
39	54.86	-45.02	-999	-999	3.60	1.00
39	54.86	-45.02	-999	-999	3.61	1.00
39	54.86	-45.02	-999	-999	3.61	1.00
39	54.86	-45.02	-999	-999	3.64	1.00
39	54.86	-45.02	-999	-999	3.68	1.00
39	59.23	-45.14	-999	-999	2.61	9.00
39	59.23	-45.14	-999	-999	2.99	1.00
39	59.31	-45.87	-999	-999	3.43	1.00
<hr/>						
40	43.44	-57.69	-999	-999	7.73	7.00
40	43.44	-57.69	-999	-999	7.99	1.00
40	43.44	-57.69	-999	-999	7.53	1.00
40	39.05	-57.53	-999	-999	3.05	9.00
40	39.05	-57.53	-999	-999	2.93	1.00
40	42.61	-45.23	-999	-999	2.84	1.00
40	46.50	-45.00	-999	-999	3.60	6.00
40	46.50	-45.00	-999	-999	3.64	1.00
40	46.50	-45.00	-999	-999	3.78	1.00
40	51.09	-45.08	-999	-999	2.30	8.00
40	51.09	-45.08	-999	-999	2.10	1.00
40	51.09	-45.08	-999	-999	2.14	1.00
40	54.83	-45.01	-999	-999	3.38	1.00
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40	54.83	-45.01	-999	-999	3.53	1.00
40	59.57	-44.79	-999	-999	0.97	1.00
40	59.57	-44.79	-999	-999	1.02	1.00
40	55.30	-45.00	-999	-999	3.43	4.00
40	55.30	-45.00	-999	-999	3.45	4.00
40	55.30	-45.00	-999	-999	3.51	4.00
40	55.30	-45.00	-999	-999	3.63	4.00
40	56.50	-45.00	-999	-999	2.64	4.00
40	56.50	-45.00	-999	-999	2.67	4.00
40	57.40	-45.00	-999	-999	2.32	4.00
40	57.40	-45.00	-999	-999	2.33	4.00

40	59.50	-45.30	-999	-999	1.09	4.00
40	59.50	-45.30	-999	-999	1.10	4.00
40	59.60	-44.80	-999	-999	1.01	4.00
40	59.60	-44.80	-999	-999	1.05	4.00
40	59.60	-44.80	-999	-999	0.96	4.00
40	59.60	-44.80	-999	-999	0.98	4.00
40	59.60	-44.80	-999	-999	0.96	4.00
40	59.60	-44.80	-999	-999	0.97	4.00
40	59.40	-45.80	-999	-999	0.87	4.00
40	59.00	-47.30	-999	-999	1.40	4.00
40	59.00	-47.30	-999	-999	1.44	4.00
40	58.70	-49.00	-999	-999	1.23	4.00
40	56.50	-47.50	-999	-999	2.10	4.00
40	56.50	-47.50	-999	-999	2.13	4.00
40	56.20	-46.70	-999	-999	2.21	4.00
40	56.20	-46.70	-999	-999	2.24	4.00
40	55.00	-50.60	-999	-999	1.22	4.00
40	55.00	-50.60	-999	-999	1.27	4.00
40	54.40	-51.60	-999	-999	1.11	4.00
40	54.40	-51.60	-999	-999	1.18	4.00
41	50.00	-145.00	-999	-999	4.92	0.00
41	50.19	-144.73	-999	-999	5.41	10.00
41	50.19	-144.73	-999	-999	5.50	5.00
41	50.34	-144.76	-999	-999	5.22	5.00
41	50.34	-144.76	-999	-999	5.39	10.00
41	50.21	-144.76	-999	-999	6.21	5.00
41	50.21	-144.76	-999	-999	6.43	10.00
41	50.34	-144.94	-999	-999	4.87	5.00
41	50.34	-144.94	-999	-999	5.54	10.00
41	50.34	-144.82	-999	-999	5.30	5.00
41	50.34	-144.82	-999	-999	6.60	10.00
41	50.33	-144.91	-999	-999	4.97	5.00
41	50.33	-144.91	-999	-999	5.23	10.00
41	50.39	-144.77	-999	-999	5.45	5.00
41	50.39	-144.77	-999	-999	5.50	10.00
41	50.38	-144.50	-999	-999	6.03	10.00
41	50.38	-144.50	-999	-999	6.07	5.00
41	50.42	-144.75	-999	-999	6.14	5.00
41	50.42	-144.75	-999	-999	6.28	10.00
41	50.62	-144.75	-999	-999	5.62	5.00
41	50.62	-144.75	-999	-999	5.73	10.00
41	50.47	-144.78	-999	-999	5.34	10.00
41	50.47	-144.78	-999	-999	5.50	5.00
41	50.50	-144.75	-999	-999	6.22	5.00
41	50.50	-144.75	-999	-999	6.24	10.00
41	50.55	-144.61	-999	-999	6.03	5.00
41	50.55	-144.61	-999	-999	6.20	10.00

41	50.58	-144.80	-999	-999	5.47	10.00
41	50.58	-144.80	-999	-999	5.60	5.00
41	50.69	-144.63	-999	-999	6.42	10.00
41	50.69	-144.63	-999	-999	6.49	5.00
41	50.66	-144.59	-999	-999	6.58	5.00
41	50.66	-144.59	-999	-999	6.67	10.00
41	50.62	-144.79	-999	-999	5.01	5.00
41	50.62	-144.79	-999	-999	5.27	10.00
41	50.70	-144.72	-999	-999	5.10	10.00
41	50.70	-144.72	-999	-999	5.25	5.00
41	50.78	-144.57	-999	-999	5.63	5.00
41	50.78	-144.57	-999	-999	5.66	10.00
41	50.85	-144.68	-999	-999	4.93	5.00
41	50.85	-144.68	-999	-999	4.97	10.00
41	50.90	-144.61	-999	-999	4.27	5.00
41	50.90	-144.61	-999	-999	4.28	10.00
41	51.03	-144.39	-999	-999	4.51	10.00
41	51.03	-144.39	-999	-999	4.58	5.00
41	50.95	-144.35	-999	-999	4.30	5.00
41	50.95	-144.35	-999	-999	4.31	10.00
41	50.95	-144.35	-999	-999	4.34	5.00
41	50.95	-144.35	-999	-999	4.34	5.00
41	50.95	-144.35	-999	-999	4.38	5.00
41	50.95	-144.35	-999	-999	4.43	5.00
41	50.90	-143.98	-999	-999	4.35	10.00
41	50.90	-143.98	-999	-999	4.41	5.00
42	6.87	88.22	47.5	0.0(ND)	-999	0.00
42	7.84	88.16	31.7	0.0(ND)	-999	0.00
42	7.87	87.21	57.4	0.0(ND)	-999	0.00
42	8.91	88.09	47.5	0.0(ND)	-999	0.00
42	9.91	88.07	35.6	0.0(ND)	-999	0.00
42	10.96	88.23	43.5	0.0(ND)	-999	0.00
42	11.96	88.26	59.4	0.0(ND)	-999	0.00
43	29.06	-85.60	129.58	8.42	-999	5.00
43	28.90	-85.41	105.74	7.64	-999	5.00
43	28.67	-85.13	114.04	10.03	-999	5.00
43	28.51	-84.93	95.24	7.65	-999	5.00
43	28.27	-84.64	107.46	9.97	-999	5.00
43	28.11	-84.45	80.71	7.28	-999	5.00
43	28.00	-84.11	83.08	6.85	-999	5.00
43	28.00	-83.85	95.51	8.52	-999	5.00
43	28.00	-83.46	41.38	6.32	-999	5.00
43	28.00	-83.20	165.02	37.30	-999	5.00
43	27.99	-82.95	-999	-999	-999	5.00
43	27.99	-82.97	-999	-999	-999	5.00
43	27.93	-83.06	-999	-999	-999	5.00
43	27.84	-83.23	366.79	32.83	-999	5.00

43	27.74	-83.39	127.11	13.96	-999	5.00
43	27.63	-83.54	84.73	8.87	-999	5.00
43	27.55	-83.68	57.35	5.47	-999	5.00
43	27.45	-83.83	55.27	5.11	-999	5.00
43	27.33	-84.00	65.17	6.49	-999	5.00
43	27.26	-84.10	69.53	7.15	-999	5.00
43	27.11	-84.33	57.25	5.11	-999	5.00
43	27.06	-84.42	61.14	5.06	-999	5.00
43	26.90	-84.66	67.03	6.12	-999	5.00
43	26.89	-84.67	62.35	6.11	-999	5.00
43	26.76	-84.86	60.57	6.53	-999	5.00
43	26.67	-85.00	64.13	6.38	-999	5.00
43	26.67	-85.00	61.53	6.85	-999	5.00
43	26.67	-85.00	60.20	7.64	-999	5.00
43	26.52	-85.23	59.76	8.38	-999	5.00
43	26.40	-85.41	68.06	8.56	-999	5.00
43	26.34	-85.51	57.86	9.32	-999	5.00
43	26.34	-85.51	64.99	10.06	-999	5.00
43	26.27	-85.62	65.41	7.18	-999	5.00
43	26.15	-85.78	56.59	4.91	-999	5.00
43	26.00	-86.00	125.16	11.02	-999	5.00
43	25.98	-85.99	101.29	10.55	-999	5.00
43	25.93	-85.99	69.27	7.66	-999	5.00
43	25.88	-86.04	61.00	6.21	-999	5.00
43	25.80	-86.30	42.41	4.55	-999	5.00
43	25.78	-86.37	39.97	4.55	-999	5.00
43	25.77	-86.35	36.29	4.62	-999	5.00
43	25.75	-86.32	37.07	4.62	-999	5.00
43	25.58	-85.94	31.48	4.24	-999	5.00
43	25.47	-85.68	71.52	7.27	-999	5.00
43	25.28	-85.29	59.99	6.23	-999	5.00
43	25.16	-85.02	54.91	5.77	-999	5.00
43	24.97	-84.63	56.28	6.07	-999	5.00
43	24.85	-84.36	59.69	5.72	-999	5.00
43	24.68	-83.98	35.43	4.19	-999	5.00
43	24.58	-83.74	30.56	3.28	-999	5.00
43	24.41	-83.40	-999	-999	-999	5.00
43	24.30	-83.18	45.42	7.41	-999	5.00
43	24.31	-82.84	51.07	-999	-999	5.00
43	24.32	-82.61	44.32	6.65	-999	5.00
43	24.34	-82.28	43.07	5.53	-999	5.00
43	24.35	-82.05	36.47	5.19	-999	5.00
43	24.37	-81.69	49.37	7.93	-999	5.00
43	24.43	-81.45	42.23	7.45	-999	5.00
43	24.55	-81.06	40.39	6.81	-999	5.00
43	24.62	-80.79	43.17	6.94	-999	5.00
43	24.86	-80.43	37.58	6.44	-999	5.00

43	25.05	-80.21	37.41	6.71	-999	5.00
43	25.43	-80.04	113.67	22.07	-999	5.00
43	25.67	-80.04	101.14	17.75	-999	5.00
43	26.02	-80.03	41.09	7.15	-999	5.00
43	26.27	-80.02	45.84	8.60	-999	5.00
43	26.67	-80.00	60.15	11.43	-999	5.00
43	26.96	-79.98	54.46	9.43	-999	5.00
43	26.97	-79.94	33.45	5.86	-999	5.00
43	27.01	-79.92	33.59	5.65	-999	5.00
43	27.01	-79.86	29.75	5.48	-999	5.00
43	27.00	-79.79	29.01	5.31	-999	5.00
43	26.98	-79.78	35.03	6.03	-999	5.00
43	26.99	-79.73	37.97	6.31	-999	5.00
43	27.01	-79.68	44.26	7.07	-999	5.00
43	26.96	-79.62	39.22	6.73	-999	5.00
43	27.08	-79.65	34.33	6.33	-999	5.00
43	27.35	-79.78	32.06	5.75	-999	5.00
43	27.74	-79.97	26.30	4.73	-999	5.00
43	28.02	-80.01	39.41	7.98	-999	5.00
43	28.44	-80.04	87.67	17.62	-999	5.00
43	28.71	-80.07	71.99	16.45	-999	5.00
43	29.01	-80.10	26.89	5.08	-999	5.00
43	29.28	-80.12	28.05	5.13	-999	5.00
43	29.71	-80.16	27.69	4.55	-999	5.00
43	30.01	-80.18	39.26	7.54	-999	5.00
43	30.40	-80.23	40.67	7.51	-999	5.00
43	30.59	-80.35	24.81	4.90	-999	5.00
43	30.90	-80.55	27.82	7.73	-999	5.00
43	31.09	-80.67	32.34	8.99	-999	5.00
43	31.38	-80.85	33.08	10.30	-999	5.00
43	31.40	-80.88	-999	-999	-999	5.00
43	31.39	-80.86	33.81	9.35	-999	5.00
43	31.41	-80.86	31.90	8.75	-999	5.00
43	31.47	-80.92	27.68	6.95	-999	5.00
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43	31.86	-80.88	22.94	8.47	-999	5.00
43	31.86	-80.88	22.50	7.79	-999	5.00
43	31.81	-80.86	21.56	6.54	-999	5.00
43	31.60	-80.81	25.48	7.52	-999	5.00
43	31.40	-80.74	31.85	9.77	-999	5.00
43	31.34	-80.60	35.06	11.88	-999	5.00
43	31.26	-80.41	35.52	10.55	-999	5.00
43	31.24	-80.37	38.15	11.58	-999	5.00
43	31.17	-80.19	27.60	7.96	-999	5.00
43	31.09	-79.99	23.96	5.85	-999	5.00
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43	30.98	-79.71	30.89	6.15	-999	5.00

43	31.01	-79.63	31.72	6.06	-999	5.00
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43	30.83	-79.45	36.58	6.91	-999	5.00
43	30.86	-79.42	37.39	6.98	-999	5.00
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43	30.52	-78.57	24.14	4.93	-999	5.00
43	30.49	-78.50	25.76	5.24	-999	5.00
43	30.48	-78.47	24.63	5.31	-999	5.00
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43	30.77	-78.51	28.74	5.84	-999	5.00
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43	31.20	-78.96	39.52	7.89	-999	5.00
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43	31.97	-79.46	28.85	6.09	-999	5.00
43	32.07	-79.31	18.35	4.50	-999	5.00
43	32.24	-79.08	19.89	5.23	-999	5.00
43	32.36	-78.92	18.93	4.85	-999	5.00
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43	32.66	-78.52	17.99	4.17	-999	5.00
43	32.79	-78.33	19.68	4.46	-999	5.00
43	32.89	-78.20	19.39	4.61	-999	5.00
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43	33.18	-77.81	19.03	4.88	-999	5.00
43	33.35	-77.58	21.23	5.40	-999	5.00
43	33.46	-77.42	23.38	6.22	-999	5.00
43	33.62	-77.20	20.38	4.83	-999	5.00
43	33.74	-77.04	20.20	5.29	-999	5.00
43	33.92	-76.79	19.03	4.77	-999	5.00
43	34.04	-76.63	19.01	4.78	-999	5.00
43	34.22	-76.39	22.58	5.46	-999	5.00
43	34.33	-76.23	25.48	6.42	-999	5.00
43	34.51	-75.99	28.71	6.29	-999	5.00
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43	35.08	-75.18	30.71	6.08	-999	5.00
43	35.21	-75.04	30.33	6.27	-999	5.00
43	35.47	-75.05	19.06	6.03	-999	5.00

43	35.58	-75.05	19.30	5.69	-999	5.00
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43	35.96	-74.95	15.87	4.62	-999	5.00
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43	35.90	-74.79	13.42	3.90	-999	5.00
43	35.83	-74.65	24.26	6.30	-999	5.00
43	35.83	-74.65	23.55	5.84	-999	5.00
43	35.75	-74.45	38.31	7.48	-999	5.00
43	35.77	-74.41	43.22	8.70	-999	5.00
43	35.75	-74.33	58.94	11.25	-999	5.00
43	35.63	-74.28	61.66	12.20	-999	5.00
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43	35.64	-74.22	57.64	10.41	-999	5.00
43	35.52	-73.99	46.81	9.00	-999	5.00
43	35.53	-73.98	34.79	7.49	-999	5.00
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43	35.44	-73.90	35.29	8.15	-999	5.00
43	35.33	-73.83	15.90	4.44	-999	5.00
43	35.34	-73.82	15.43	4.63	-999	5.00
43	35.28	-73.75	17.30	5.05	-999	5.00
43	35.21	-73.70	17.29	4.42	-999	5.00
43	35.22	-73.68	18.25	4.79	-999	5.00
43	35.19	-73.64	17.37	4.63	-999	5.00
43	35.03	-73.41	15.17	4.83	-999	5.00
43	35.03	-73.40	16.69	4.96	-999	5.00
43	35.03	-73.40	22.64	5.48	-999	5.00
43	34.99	-73.33	20.54	6.40	-999	5.00
43	34.87	-73.12	21.12	5.97	-999	5.00
43	34.87	-73.12	27.16	6.88	-999	5.00
43	34.87	-73.12	31.24	7.42	-999	5.00
43	35.01	-73.25	32.37	8.33	-999	5.00
43	35.27	-73.51	25.59	6.66	-999	5.00
43	35.45	-73.68	32.35	8.20	-999	5.00
43	35.95	-74.33	71.35	14.80	-999	5.00
43	36.06	-74.55	69.42	13.09	-999	5.00
43	36.26	-74.89	61.12	13.75	-999	5.00
43	36.39	-75.13	62.17	11.82	-999	5.00
43	36.61	-75.31	61.26	13.91	-999	5.00
43	36.78	-75.26	56.52	12.61	-999	5.00
43	37.03	-75.20	24.80	7.69	-999	5.00
43	37.20	-75.16	15.40	6.67	-999	5.00
43	37.45	-75.09	14.33	5.77	-999	5.00
43	37.62	-75.05	14.25	5.14	-999	5.00
43	37.87	-74.97	16.24	6.55	-999	5.00
43	38.03	-74.89	18.59	7.99	-999	5.00

43	38.28	-74.78	15.80	5.51	-999	5.00
43	38.46	-74.80	16.34	6.19	-999	5.00
43	38.65	-74.63	14.67	5.27	-999	5.00
43	38.79	-74.60	14.55	6.07	-999	5.00
43	38.98	-74.39	12.46	5.00	-999	5.00
43	39.09	-74.23	12.12	4.13	-999	5.00
43	39.28	-74.16	11.10	4.02	-999	5.00
43	39.41	-74.18	11.25	4.10	-999	5.00
43	39.43	-74.19	14.52	5.00	-999	5.00
43	39.35	-74.09	10.42	3.64	-999	5.00
43	39.40	-73.79	9.14	3.39	-999	5.00
43	39.47	-73.50	9.76	3.46	-999	5.00
43	39.73	-72.39	7.26	2.79	-999	5.00
43	39.80	-72.10	6.92	2.97	-999	5.00
43	39.92	-71.71	6.03	2.30	-999	5.00
43	39.93	-71.42	5.11	2.07	-999	5.00
43	39.98	-70.99	4.36	1.88	-999	5.00
43	40.01	-70.71	5.01	1.92	-999	5.00
43	40.18	-70.38	4.95	2.08	-999	5.00
43	40.26	-70.12	4.68	1.90	-999	5.00
43	40.35	-69.76	5.70	2.75	-999	5.00
43	40.39	-69.58	5.64	2.52	-999	5.00
43	40.44	-69.32	5.32	2.98	-999	5.00
43	40.47	-69.15	4.98	2.79	-999	5.00
43	40.64	-68.99	5.19	2.77	-999	5.00
43	40.78	-68.97	6.37	3.44	-999	5.00
43	41.02	-69.08	8.59	4.09	-999	5.00
43	41.15	-69.18	7.40	2.79	-999	5.00
43	41.33	-69.29	11.78	3.18	-999	5.00
43	41.45	-69.37	14.03	3.86	-999	5.00
43	41.63	-69.51	18.28	4.02	-999	5.00
43	41.75	-69.59	20.46	3.95	-999	5.00
43	41.93	-69.71	30.57	4.96	-999	5.00
43	42.05	-69.79	22.29	3.77	-999	5.00
43	42.23	-69.92	21.23	3.48	-999	5.00
43	42.33	-70.04	16.12	2.84	-999	5.00
43	42.35	-70.34	34.11	4.46	-999	5.00
43	42.37	-70.55	-999	-999	-999	5.00
43	42.48	-70.56	1061.65	85.76	-999	5.00
43	42.62	-70.50	1208.80	114.99	-999	5.00
43	42.88	-70.51	650.30	82.04	-999	5.00
43	43.02	-70.55	1208.26	145.65	-999	5.00
43	43.03	-70.62	1288.83	137.76	-999	5.00
43	43.01	-70.54	1724.76	153.81	-999	5.00
43	42.99	-70.42	273.60	38.76	-999	5.00
43	42.94	-70.30	190.67	30.34	-999	5.00
43	42.89	-70.14	157.44	20.78	-999	5.00

43	42.88	-70.05	133.76	19.77	-999	5.00
43	42.86	-69.86	61.39	10.22	-999	5.00
43	42.79	-69.77	41.92	7.25	-999	5.00
43	42.72	-69.67	28.69	6.53	-999	5.00
43	42.66	-69.51	24.21	6.05	-999	5.00
43	42.57	-69.26	23.61	4.93	-999	5.00
43	42.51	-69.09	29.92	6.65	-999	5.00
43	42.46	-69.00	29.01	6.59	-999	5.00
43	42.34	-68.97	38.13	7.92	-999	5.00
43	41.79	-68.82	30.00	7.43	-999	5.00
43	41.65	-68.79	31.06	6.33	-999	5.00
43	41.59	-68.79	30.49	6.64	-999	5.00
43	41.42	-68.82	44.52	9.99	-999	5.00
43	41.21	-68.85	48.54	10.02	-999	5.00
43	41.08	-68.87	44.82	16.71	-999	5.00
43	41.01	-68.89	41.16	17.13	-999	5.00
43	40.88	-68.94	40.81	16.67	-999	5.00
43	40.83	-69.05	32.78	14.67	-999	5.00
43	40.75	-69.18	37.82	16.64	-999	5.00
43	40.60	-69.30	45.69	19.70	-999	5.00
43	40.50	-69.30	60.02	22.90	-999	5.00
43	40.56	-69.49	53.94	19.97	-999	5.00
43	40.56	-69.72	41.47	17.15	-999	5.00
43	40.68	-69.99	50.33	21.55	-999	5.00
43	40.70	-70.01	64.95	25.29	-999	5.00
43	40.89	-70.16	60.41	21.08	-999	5.00
43	40.99	-70.25	75.60	26.74	-999	5.00
43	41.18	-70.41	59.80	19.26	-999	5.00
43	41.30	-70.52	89.08	27.70	-999	5.00
43	41.32	-70.61	70.54	19.94	-999	5.00
43	41.29	-70.70	84.08	21.94	-999	5.00
43	41.05	-70.62	51.98	16.69	-999	5.00
43	40.94	-70.53	54.78	16.80	-999	5.00
43	40.73	-70.43	42.46	20.53	-999	5.00
43	40.63	-70.39	41.65	18.93	-999	5.00
43	40.50	-70.32	32.49	23.57	-999	5.00
43	40.37	-70.26	27.23	13.13	-999	5.00
43	40.25	-70.18	18.03	13.39	-999	5.00

Table S7. Metadata information of the corresponding datasets listed in Table S6 sorted for the identifier.

Identifier	Metadata	
1	Platform type and name	Ship, SA Agulhas
	Expedition name	SWEDARP_97/98
	Cruise start date (UTC)	8/12/1997
	EXPOCODE	91AA19970812
	Dataset creator	Katarina Abrahamsson
	PI contact details	Katarina Abrahamsson, Department of Analytical and Marine Chemistry, Chalmers University of Technology and Göteborg University, k@chem.gu.se
	Data set origin	Host Data center: Pangaea (http://doi.pangaea.de/10.1594/PANGAEA.64912) Download: March 2010
	Relevant publications	Abrahamsson, Katarina, Bertilsson, S, Chierici, M, Fransson, A, Froneman, PW, Lorén, A, Pakhomov, E A (2004): Variations of biogeochemical parameters along a transect in the Southern Ocean, with special emphasis on volatile halogenated organic compounds, Deep Sea Research II, 51(22-24), 2745-2756
	Sampling technique	samples collected through ship seawater supply
	Analysis and detection technique	GC-ECD
	Calibration technique	Abrahamsson, Katarina, Bertilsson, S, Chierici, M, Fransson, A, Froneman, PW, Lorén, A, Pakhomov, E A (2004): Variations of biogeochemical parameters along a transect in the Southern Ocean, with special emphasis on volatile halogenated organic compounds, Deep Sea Research II, 51(22-24), 2745-2756

2	Platform type and name PI contact details Data set origin Relevant publications Sampling technique Analysis and detection technique Calibration technique Standard referred to	Shelf Seas Observatory, L4 S.D. Archer, Plymouth Marine Laboratory, stda@pml.ac.uk Mail submission: Steve Archer, stda@pml.ac.uk, february2010 Archer SD et al. 2007. J. Geophys. Res 112: C08009, doi:10.1029/2006JC003963. Stainless Steel Bucket and Niskin bottle GC-ECD with purge and cryo-trap (-150C) Serial dilution of standards in methanol CH3I permeation standard from KinTek, USA
3	Platform type and name Expedition name Cruise start date (UTC) EXPOCODE Dataset creator PI contact details Data set origin Sampling technique Analysis and detection technique	Ship, Discovery DISCO 6/4/1999 74E319990604 Geoff Smith, QinetiQ, enquiries@bodc.ac.uk Tom Bell, SOLAS UK, Thomas.Bell@uea.ac.uk Host data centre: BODC (www.bodc.ac.uk) Mail submission: Thomas.Bell@uea.ac.uk, 09.09.2009 unfiltered water samples GC/MS

4	<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, Discoverer</p> <p>BLAST 1 (Seattle-Punta Arenas: 28.01.-17.02.1994)</p> <p>1/28/1994</p> <p>31DS19940128</p> <p>Juergen M. Lobert</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>Mail submission: James.H.Butler@noaa.gov, 08/2009</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/</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>
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5	Platform type and name Expedition name Cruise start date (UTC) EXPOCODE Dataset creator PI contact details Data set origin Relevant publications Sampling technique Analysis and detection technique Calibration technique Standard referred to	Ship, Polarstern BLAST 2 (Bremerhaven-Punta Arenas: 18.10.-21.11.1994) 10/18/1994 06AQ19941018 Juergen. M. Lobert James H. Butler, NOAA, James.H.Butler@noaa.gov Host data centre: ftp://ftp.cmdl.noaa.gov/hats/ocean/ (Download: March 2010) 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 equilibrator (trapping of gases from equilibrated seawater and air on adsorbents) 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) 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 NOAA scale
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6	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/blast_iii, ftp://ftp.cmdl.noaa.gov/hats/ocean/Ocean%20GCMS%20Data%201994- 2004/Message%20to%20potential%20users %20of%20these%20data%20(31%20Aug%202005).pdf (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)
	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%20 potential%20users%20of%20these%20data%20(31%20Aug%202005).pdf
	Standard referred to	NOAA scale

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>Sampling technique</p> <p>Analysis and detection technique</p> <p>Calibration technique</p> <p>Standard referred to</p>	<p>Ship, Aurora Australis</p> <p>CLIVAR 01 (Hobart, Tasmania-Hobart, in the southern Ocean; 29.10.-13.12.2001)</p> <p>10/29/2001</p> <p>09AR20011029</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) 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>
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8	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
	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

9	<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</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) 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>
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10	Platform type and name	Ship, NOAA Ship Ronald H. Brown
	Expedition name	RB-99-06 (BACPAC 99) (Kwajalein, Marshall Islands- Seattle, Washington, North Pacific, 14.09.1999-23.10.1999)
	Cruise start date (UTC)	9/14/1999
	EXPOCODE	33RO19990914
	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/ (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, 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

11	Platform type and name	Ship, RV Celtic Explorer
	Expedition name	Marine Aerosol Production (MAP) cruise
	Cruise start date (UTC)	6/11/2006
	EXPOCODE	45CE20060611
	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	1) 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
	Standard referred to	in house (Wevill & Carpenter, 2004)

12	Platform type and name Cruise start date (UTC) EXPOCODE Dataset creator PI contact details Data set origin Relevant publications Sampling technique Analysis and detection technique Calibration technique Standard referred to	Ship, RHaMBLe cruise (RRS Discovery cruise 319) 5/20/2007 74DI20070520 Charlotte Jones Lucy Carpenter, Department of Chemistry, University of York, ljc4@york.ac.uk 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 1) 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 air pump/pre-concentration and purge and trap GC/MS permeation oven / in-house halocarbon standard in house (Wevill & Carpenter, 2004)
13	Platform type and name Expedition name EXPOCODE Dataset creator PI contact details Data set origin Sampling technique Analysis and detection technique Calibration technique	Ship, R/V Poseidon DRIVE 06PO20100531 / 06PO20100619 Helmke Hepach (water), Helmke Hepach, GEOMAR, hhepach@geomar.de Host data centre: Pangaea Mail submission: 18.08.2011, hhepach@ifm-geomar.de Underway and CTD GC-MS (Single Ion Mode), Purge-and-trap-system liquid standards (water), air standards (air), NOAA scale

14	Platform type and name Expedition name Cruise start date (UTC) EXPOCODE Dataset creator PI contact details Data set origin Sampling technique Analysis and detection technique Calibration technique	Ship, RV Maria S. Merian MSM18/3 6/22/2011 06M220110622 Helmke Hepach Helmke Hepach, GEOMAR, hhepach@geomar.de mail submission, 18.08.2011 hhepach@geomar.de Underway and CTD GC-MS (Single Ion Mode), Purge-and-Trap-system liquid standards
15	Platform type and name Expedition name Cruise start date (UTC) EXPOCODE PI contact details Relevant publications Sampling technique Analysis and detection technique	SHIP, Polarstern ANT X/1 11/14/1991 06AQ19911114 Heumann, Klaus G., Johannes Gutenberg-University Mainz, heumann@uni-mainz.de Schall, C. et al (1997), Biogenic volatile organoiodine and organobromine hydrocarbons in the Atlantic Ocean from 42°N to 72° S, Fresenius J Anal Chem (1997) 359: 298- 305 A 10L steel bucket was used to collect the surface water samples, samples were filtered through a 200µm pore size filter to exclude large particles and corresponding biological species and then each sample was divided into two portions to determine the concentrations of both chlorophyll- a and the different iodinated and brominated organic compounds. purge and trap-system with subsequent gas chromatographic separation and detection by an electron capture detector,

16	Platform type and name	Ship, James Clark Ross
	Expedition name	SAMS northern seas programme (JR75)
	Cruise start date (UTC)	6/18/2002 13:00
	EXPOCODE	74JC20020618
	Dataset creator	Claire Hughes
	PI contact details	Claire Hughes, claire.hughes@uea.ac.uk
	Data set origin	Mail submission: Chris Adams, Christopher.Adams@uea.ac.uk, 09/2009
	Relevant publications	Manuscript submitted to GBC
	Sampling technique	Underway non-tox (6m)
	Analysis and detection technique	Cryo-trap, GC/MS
	Calibration technique	Liquid standards diluted in methanol
17	Platform type and name	Ship, James Clark Ross
	Expedition name	SAMS northern seas programme (JR75)
	Cruise start date (UTC)	11/24/2004 20:35
	EXPOCODE	74JC20041124
	Dataset creator	Claire Hughes
	PI contact details	Claire Hughes, claire.hughes@uea.ac.uk
	Data set origin	Mail submission: Chris Adams, Christopher.Adams@uea.ac.uk, 09/2009
	Sampling technique	Underway non-tox (6m)
	Analysis and detection technique	Cryo-trap, GC/MS
	Calibration technique	Liquid standards diluted in methanol

18	Platform type and name	SHIP, Alkor
	Expedition name	Alkor 20
	Cruise start date (UTC)	9/17/1991
	EXPOCODE	06A619910917
	Dataset creator	Joachim Kuß
	PI contact details	Joachim Kuß, joachim.kuss@io-warnemuende.de
	Relevant publications	Kuss, J., Volatile halogenated hydrocarbons: Exchange processes between atmosphere and seawater, Ph.D.thesis, Christian Albrecht University, Kiel, Germany, 1994
	Sampling technique	stainless steel Close open Close waterscoop (COC), Kieler pumpsystem (KPS)
	Analysis and detection technique	glass fibre filter and extraction with a liquid, solid or gaseous eluent
	Calibration technique	adaptation curve due to the measured points, linear regression
19	Platform type and name	SHIP, Alkor
	Expedition name	Alkor17
	Cruise start date (UTC)	3/24/1991
	EXPOCODE	06A619910324
	Dataset creator	Joachim Kuß
	PI contact details	Joachim Kuß, joachim.kuss@io-warnemuende.de
	Relevant publications	Kuss, J., Volatile halogenated hydrocarbons: Exchange processes between atmosphere and seawater, Ph.D.thesis, Christian Albrecht University, Kiel, Germany, 1994
	Sampling technique	stainless steel Close open Close waterscoop (COC), Kieler pumpsystem (KPS)
	Analysis and detection technique	glass fibre filter and extraction with a liquid, solid or gaseous eluent
	Calibration technique	adaptation curve due to the measured points, linear regression

20	Platform type and name	Ship, RRS Discovery (DISCO 200)
	Expedition name	ADOX (Antarctic Deep Outflow Experiment, part of UK WOCE)
	Cruise start date (UTC)	6 Feb 1993 1993 (6/2/1993)
	EXPOCODE	74DI19930206
	Dataset creator	Sue Turner, University of East Anglia, s.tuner@uea.ac.uk
	PI contact details	Peter Liss, University of East Anglia, p.liss@uea.ac.uk
	Data set origin	Host data centre: BODC (www.bodc.ac.uk) (Download: March 2010)
	Relevant publications	Chuck, A. L., S. M. Turner, and P. S. Liss (2005), Oceanic distributions and air-sea fluxes of biogenic halocarbons in the open ocean, J. Geophys. Res., 110, C10022, doi:10.1029/2004JC002741.
	Sampling technique	all samples from ship's pumped non-tox supply
	Analysis and detection technique	Purge and trap, GC-ECD

21	<p>Platform type and name</p> <p>Platform 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>Standard referred to</p>	<p>Ship, R/V Knorr</p> <p>R/V Knorr</p> <p>7/16/1997</p> <p>316N19970716</p> <p>Robert Moore</p> <p>Moore, Robert, Dalhousie University, Halifax, robert.moore@dal.ca</p> <p>Mail submission: Jenny Lang, jlang5647@googlemail.com, 11/ 2010</p> <p>Moore, R.M. (2001) Trichloroethylene and tetrachloroethylene inAtlantic waters. Journal of Geophysical Research, 106(11), 27135-27143.</p> <p>Vertical profiles collected in rosette mounted Niskin bottles during ascent of samplers. Drawn into 100ml glass syringes and stored underwater until sampled, Water vapour removed by moist helium first passed through a short tube jacketed with 1oC water and then through a 4cm drying tube containing magnesium perchlorate. Then passed through 30cm trap of stainless steel tubing held over -150°C liquid nitrogen. Trap heated rapidly to 15oC and carrier gas stream (5mL min-1) flowed through trap. Separation of volatiles achieved on a pair of DB-624 columns. Compounds detected using a VG MD800 Mass selective detector, Purge and trap and GC-MS: Volatiles released by a stream of helium (40mL min-1) passing through a glass frit in the purge vessel. Sample heated during 12min purge to 40°C, Standard gas was injected into the analytical system in amounts of 25-100 µL. Standard of the halogenated compounds in CO2 prepared gravimetrically and diluted in nitrogen to yield conc in range of 30-400nmol mol-1. Accuracy of the standard +/- 6.5%</p> <p>CTD, Oxygen, Silicate, Nitrate, Nitrite, phosphate, alkalinity</p>
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22	<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, Ronald Brown</p> <p>Gas Ex 98</p> <p>5/25/1998</p> <p>33RO19980525</p> <p>Robert Moore</p> <p>Moore, Robert, Dalhousie University, Halifax, robert.moore@dal.ca</p> <p>Mail submission: Jenny Lang, jlang5647@googlemail.com, 11/ 2010</p> <p>Moore, R.M. (2001) Trichloroethylene and tetrachloroethylene inAtlantic waters. Journal of Geophysical Research, 106(11), 27135-27143.</p> <p>Vertical profiles collected in rosette mounted Niskin bottles during ascent of samplers. Drawn into 100ml glass syringes and stored underwater until sampled water vapour removed by moist helium first passed through a short tube jacketed with 1°C water and then through a 4cm drying tube containing magnesium perchlorate. Then passed through 30cm trap of stainless steel tubing held over -150°C liquid nitrogen. Trap heated rapidly to 15°C and carrier gas stream (5mL min⁻¹) flowed through trap. Separation of volatiles achieved on a pair of DB-624 columns. Compounds detected using a VG MD800 Mass selective detector</p> <p>Purge and trap and GC-MS: Volatiles released by a stream of helium (40mL min⁻¹) passing through a glass frit in the purge vessel. Sample heated during 12min purge to 40°C.</p> <p>Standard gas was injected into the analytical system in amounts of 25-100 µL. Standard of the halogenated compounds in CO₂ prepared gravimetrically and diluted in nitrogen to yield conc in range of 30-400nmol mol⁻¹. Accuracy of the standard +/- 6.5%</p>
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23	Platform type and name	Ship, CCGS Hudson
	Expedition name	Lab. Sea, Hfx Line
	Cruise start date (UTC)	5/30/2001
	EXPOCODE	18HU20010530
	Dataset creator	Robert Moore
	PI contact details	Moore, Robert, Dalhousie University, Halifax, robert.moore@dal.ca
	Data set origin	Mail submission: Jenny Lang, jlang5647@googlemail.com, 11/ 2010
	Relevant publications	Moore, R.M. (2004), Dichloromethane in North Atlantic Waters, J. Geophys. Res., 109,IC09004, doi:10.1029/2004JC002397.
	Sampling technique	Niskin bottles. Stored in 100ml glass syringes under water until sampled
	Analysis and detection technique	Analysis within 20hrs after sampling, typically within 6hrs, Samples forced through a glass fibre filter into a calibrated pipette and then passed into water jacketed purge vessel maintained at 40°C, Sample purged for 12mins with high purity helium and carried through a condenser to reduce the water vapour followed by a drying tube packed with magnesium perchlorate, Trapping achieved in a coiled steel tube held at -150°C over liquid nitrogen, Trap electrically heated and trapped gases transferred in a stream of HE to a pair of chromatographic columns and then to a Fisons MD800 quadrupole MS, A correction had to be applied to the soluble CH ₂ CL ₂ for incomplete purging (85%). No correction needed for other compounds
	Calibration technique	Injection of known volumes of a gravimetrically prepared standard via a septum port
	Standard referred to	Gravimetrically prepared standards

24	Platform type and name	Coastal Observation
	Cruise start date (UTC)	22.01.2008, 10:30
	Dataset creator	Anna Orlikowska
	PI contact details	Anna Orlikowska, IOW Rostock, anna.orlikowska@io-warnemuende.de
	Data set origin	Mail submission: Anna Orlikowska, Anna.Orlikowska@io-warnemuende.de, 07/2010
	Relevant publications	Orlikowska, A., D.E. Schulz-Bull (2009) Seasonal variations of volatile organic compounds in the coastal Baltic Sea. Environmental Chemistry, 6, 495 -507
	Sampling technique	Purge and Trap (Purge gas: Helium). Flow rate through sample: 120ml/min. Trap: Tenax GR. Water removal from gas by two Nafion Dryers.
	Analysis and detection technique	GC-MS. Carrier gas: high purity helium. (const. Flow rate at 2ml/min). VOC-Separation in RTX-VGC capillary column. MS: Thermo DSQ Quadrupole MS.
	Calibration technique	A standard mixture of 33VOCs of known concentration in 1 L of water was injected by purge and trap before analysis of a sample. Calibration was performed every week. Quantification of VOCs was based on the peak area of the individual compound in relation to the peak area of the external standard measured under the same conditions. The compounds were quantified if the signal to noise ratio (S/N) was greater than 3.
	Standard referred to	prepared volumetrically by serial dilution of pure compounds in methanol.

25	Platform type and name	Ship, Meteor
	Expedition name	M55 (Curacao-Douala, 12.10.-17.11.2002)
	Cruise start date (UTC)	10/12/2002
	EXPOCODE	06M320021012
	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., Atlas, E., Petrick, G., Stroud, V., Schauffler, S. and Wallace, D.W.R. (2004), Oceanic bromoform sources for the tropical atmosphere, Geophysical Research Letters, Vol. 31, L23S05, doi:10.1029/2004GL020597
	Sampling technique	water: glass bottles with Teflon seals, air: online from bow on cooled (-70°C) glass beads
26	Analysis and detection technique	GC/MS (SIM), water: purge and trap, 30 ml/min He, 70°C (all capillary column), 0,56mm, deactivated; air: thermal desorption off adsorbent
	Calibration technique	liquid standard (volumetrically prepared in ultra pure water)
	Standard referred to	RSMAS scale
	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
	EXPOCODE	06M320040309
	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	water: glass bottles with Teflon seals, air: online from bow on cooled (-70°C) glass beads
	Analysis and detection technique	GC/MS (SIM), water: purge and trap, 30 ml/min He, 70°C (all capillary column), 0,56mm, deactivated; air: thermal desorption off adsorbent
	Calibration technique	liquid standard (volumetrically prepared in methanol)
	Standard referred to	RSMAS scale

27	Platform type and name Expedition name Cruise start date (UTC) EXPOCODE Dataset creator PI contact details Relevant publications Mail submission Sampling technique Analysis and detection technique Calibration technique Standard referred to	Ship, Poseidon P320_1 (Las Palmas - Mindelo, 21.03.2005-07.04.2005) 3/21/2005 06PO20050321 Birgit Quack Birgit Quack, GEOMAR, bquack@geomar.de 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 B. Quack, bquack@geomar.de, 08/2010 water: glass bottles with Teflon seals, air: online from bow on cooled (-70°C) glass beads GC/MS (SIM), water: purge and trap, 30 ml/min He, 70°C (all capillary column), 0,56mm, deactivated; air: thermal desorption off adsorbent liquid standard (volumetrically prepared in methanol) RSMAS scale
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30	Platform type and name	Ship, Discovery
	Expedition name	ASCOE
	Cruise start date (UTC)	6/6/1998
	EXPOCODE	74E319980606
	Dataset creator	Jonathan Baker
	PI contact details	Claire Reeves, University of East Anglia, c.reeves@uea.ac.uk
	Data set origin	BODC (www.bodc.ac.uk)(Download: March 2010)
	Relevant publications	Baker et al., 1999 Marine Chemistry. 64. 267-285, http://www.sciencedirect.com/science/article/pii/S0304420398000772 , doi: 10.1016/S0304-4203(98)00077-2
	Sampling technique	unfiltered water samples
31	Analysis and detection technique	Purge and trap, ECD detection
	Platform type and name	Ship. R/V Polarstern
	Expedition name	ANT VI/2
	Cruise start date (UTC)	10/26/1987
	EXPOCODE	06AQ19871026
	Dataset creator	Werner Reifenhäuser
	PI contact details	Werner 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
	Sampling technique	continuous sampling through a seawater-tube in the bow, hard glass bulbs have been filled with 50 ml of seawater, sealed with a butane gas burner (Fa. Camping-gaz). To protect sample from light , enroled with alufilm, frozen at - 18°C
	Analysis and detection technique	gaschromatographical separation technique
	Calibration technique	Weighing out the halocarbons in ethylenglycol . Calibration filled in glass bulbs and closed with Teflon adapter

32	<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>Relevant publications</p> <p>Mail submission</p> <p>Sampling technique</p> <p>Analysis and detection technique</p> <p>Calibration technique</p>	<p>Ship, Bilim</p> <p>IMS METU</p> <p>12/4/1993</p> <p>89BL19931204</p> <p>Toste Tanhua</p> <p>Toste Tanhua, GEOMAR, ttanhua@geomar.de</p> <p>Tanhua, T. et al (1996), Reduction of volatile halocarbons in anoxic seawater, results from a study in the black sea, marine chemistry 54, page 159- 170</p> <p>Mail submission: Toste Tanhua, ttanhua@geomar.de, 12/2010</p> <p>Niskin samplers, mounted on a rosette with a CTD sonde</p> <p>drawn into 100 ml ground glass syringes and stored under seawater , purge and trap sample work up followed by gas chromatographic separation and detection of by electron capture detector (similar to Krysell and Nightingale [1994])</p> <p>gaseous standard was calibrated against the known conc. Of CCl₄ and CH₃CCl₃ in marine air. Assigned mixing ration of 109+/- 5 ppt for CCl₄ and 145 +/- 7 ppt for CH₃CCl₃, for the others, liquid standard, gravimetrically prepared was injected into the stripping chamber through a valve with an internal loop of 2µl volume</p>
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34	Platform type and name Expedition name Cruise start date (UTC) EXPOCODE Dataset creator PI contact details Data set origin Relevant publications Sampling technique Analysis and detection technique	Ship, ARGOS 77AR 5/23/1991 23:30 77AR19910523 Toste Tanhua Toste Tanhua, GEOMAR, ttanhua@geomar.de Mail submission: Toste Tanhua, ttanhua@geomar.de, 02/2010 1) Krysell, M., E. Fogelqvist, and T. Tanhua (1994), Apparent removal of the transient tracer carbon tetrachloride from anoxic seawater, Geophys. Res. Letters, 21, 2511-2514. 2) Fogelqvist, E. (1999), Determination of volatile halocarbons in seawater, in Methods of Seawater Analysis, edited by K. Grasshoff, et al., pp. 501-519 3) Tanhua, T. (1997), Halogenated substances as marine tracers, Ph.D. thesis, Göteborg University, Göteborg. 1.8 L TNP samplers (Hydro-Bios) bottles. liquid standards, injected into the system through an internal volume valco valve. see Fogelqvist, E. (1999), Determination of volatile halocarbons in seawater, in Methods of Seawater Analysis, edited by K. Grasshoff, et al., pp. 501-519
35	Platform type and name Expedition name Cruise start date (UTC) EXPOCODE Dataset creator PI contact details Data set origin	Ship, Challenger NSP (North Sea Project) 1/28/1989 74CH19890128 Sue Turner, University of East Anglia, s.turner@uea.ac.uk Sue Turner, University of East Anglia, s.turner@uea.ac.uk BODC (www.bodc.ac.uk) (Download: March 2010)

36	Platform type and name Expedition name Cruise start date (UTC) EXPOCODE Dataset creator PI contact details Data set origin Relevant publications Sampling technique Analysis and detection technique Calibration technique	Ship, R/V Polarstern ANT XVIII/1 10/8/2000 06AQ20001008 Adele Chuck, University of East Anglia, adele_chuck@yahoo.co.uk Sue Turner, University of East Anglia, s.turner@uea.ac.uk British Oceanic Data Centre: http://www.bodc.ac.uk (Download: March 2010) Chuck et al. 2005, Journal of Geophysical Research, Vol. 110, C10022 ships non-tox supply and CTD Purge and trap and GC-ECD post cruise calibration with a working standard diluted from Supleco standard in methanol matrix, BOC standard air used as working standard during cruise.
37	Platform type and name Expedition name Cruise start date (UTC) EXPOCODE Dataset creator PI contact details Data set origin Relevant publications Sampling technique Analysis and detection technique Calibration technique	Ship, R/V Polarstern ANT XVIII/2 10/26/2000 06AQ20001026 Adele Chuck, University of East Anglia, adele_chuck@yahoo.co.uk Sue Turner, University of East Anglia, s.turner@uea.ac.uk British Oceanic Data Centre: http://www.bodc.ac.uk (Download: March 2010) Chuck et al. 2005, Journal of Geophysical Research, Vol. 110, C10022 ships non-tox supply and CTD Purge and trap and GC-ECD post cruise calibration with a working standard diluted from Supleco standard in methanol matrix, BOC standard air used as working standard during cruise.

38	Platform type and name	Ship, CCGS Hudson (# HUD-2003-010)
	Expedition name	C-SOLAS SABINA – Spring
	Cruise start date (UTC)	4/23/2003 22:03
	Dataset creator	Lu Wang
	PI contact details	Robert Moore, Dalhousie University, robert.moore@dal.ca
39	Data set origin	Host data centre: http://www.bodc.ac.uk (Download: March 2010)
	Relevant publications	Wang, L., Moore, R. M., and Cullen, J. J. (2009): Methyl iodide in the NW Atlantic: Spatial and seasonal variation, J. Geophys. Res.-Oceans, 114, 10.1029/2007jc004626.
	Sampling technique	partly shipboard intake system, few bucket collections
	Analysis and detection technique	purge-and-trap gas chromatography-mass spectrometry (GC-MS)
39	Platform type and name	Ship, CCGS Martha L. Black (# OAO-038)
	Expedition name	C-SOLAS SABINA – Summer
	Cruise start date (UTC)	7/5/2003 9:27
	Dataset creator	Lu Wang
	PI contact details	Robert Moore, Dalhousie University, robert.moore@dal.ca
39	Data set origin	Host data centre: http://www.bodc.ac.uk (Download: March 2010)
	Relevant publications	Wang, L., Moore, R. M., and Cullen, J. J. (2009): Methyl iodide in the nw atlantic: Spatial and seasonal variation, J. Geophys. Res.-Oceans, 114, 10.1029/2007jc004626.
	Analysis and detection technique	purge-and-trap gas chromatography-mass spectrometry (GC-MS)

40	Platform type and name Expedition name Cruise start date (UTC) Dataset creator PI contact details Data set origin Relevant publications Sampling technique Analysis and detection technique	Ship, CCGS Martha L. Black (# IML-2003-72) C-SOLAS SABINA – Fall 10/10/2003 9:00 Lu Wang Robert Moore, Dalhousie University, robert.moore@dal.ca Host data centre: http://www.bodc.ac.uk (Download: March 2010) Wang, L., Moore, R. M., and Cullen, J. J. (2009): Methyl iodide in the NW Atlantic: Spatial and seasonal variation, J. Geophys. Res.-Oceans, 114, 10.1029/2007jc004626. partly shipboard intake system, few bucket collections purge-and-trap gas chromatography-mass spectrometry (GC-MS)
41	Platform type and name Expedition name Cruise start date (UTC) Dataset creator PI contact details Data set origin Relevant publications Analysis and detection technique	Ship, CCGS Tully C-SOLAS SERIES 7/7/2002 15:44 Lu Wang Robert Moore, Dalhousie University, robert.moore@dal.ca Host data centre: http://www.bodc.ac.uk (Download: March 2010) Moore, R. M., Wang, L. (2006): The influence of iron fertilization on the fluxes of methyl halides and isoprene from ocean to atmosphere in the SERIES experiment. Deep Sea Research Part II, 53(20-22), 2398-2409, doi:10.1016/j.dsr2.2006.05.025. purge-and-trap gas chromatography-mass spectrometry (GC-MS)

42	Platform type and name	Ship, Shinyo- Maru
	Expedition name	Shinyo- Maru cruise of the Tokyo University of fisheries- Bay of Bengal
	Cruise start date (UTC)	1/24/1995
	EXPOCODE	49IN19950124
	PI contact details	Yamamoto, Hideki
	Relevant publications	Yamamoto, H. et al (2001), Depth profiles of volatile halogenated hydrocarbons in seawater in the Bay of Bengal, Chemosphere 45 (2001) 371-377
	Sampling technique	1,7l Niskin bottles attached to a conductivity/ temperature/ depth hydrocast system, sampling aliquots were taken in 40ml dark glass vials with 0,5 ml of 3,5% mercuric chloride (HgCl ₂), sealed with teflon lined septa with no headspace, preserve at 4°C until analysis
	Analysis and detection technique	automated purge and trap system (Tekmar 3000J + Aquatek 50), combined with a capillary GC (HP5890 series II)/MS(Automass 50)
	Standard referred to	prepared by serial dilution of pure compounds

43	Platform type and name Expedition name Cruise start date (UTC) EXPOCODE Dataset creator PI contact details Data set origin Relevant publications Analysis and detection technique Calibration technique Standard referred to	Ship, Ronald H. Brown GOMECC 7/1/2007 33RO20070701 Shari Yvon-Lewis, Texas A&M University: syvon-lewis@ocean.tamu.edu Shari Yvon-Lewis, Texas A&M University: syvon-lewis@ocean.tamu.edu Mail submission: Shari Yvon-Lewis, syvon-lewis@ocean.tamu.edu, Sept. 2009 1)Hu, L., S. A. Yvon-Lewis, Y. Liu, J. E. Salisbury, and J. E. O'Hern (2010), Coastal emissions of methyl bromide and methyl chloride along the eastern Gulf of Mexico and the east coast of the United States, Global Biogeochem. Cycles, 24, GB1007, doi:10.1029/2009GB003514. 2) Liu, Y., S. A. Yvon- Lewis, L. Hu, J. E. Salisbury, and J. E. O'Hern (2011), CHBr ₃ , CH ₂ Br ₂ , and CHClBr ₂ in U.S. coastal waters during the Gulf of Mexico and East Coast Carbon cruise, J. Geophys. Res., 116, C10004, doi:10.1029/2010JC006729 Weiss-type equilibrator two point calibration NOAA/GMD
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