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Supplement of

Multi-model ensemble simulations of olive pollen distribution in Europe in 2014: current status and outlook

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Notations to the supplementary tables

Note: all model-related values are provided only for the time series fully co-located with the observations in time and space.

N	number of daily concentration observations
Bias	difference between the mean values of the paired time series, model – observed, [pollen m ⁻³]
Correl	temporal Pearson correlation coefficient between paired model and observed time series
p_value_lg	Statistical significance (p-value) for correlation of the paired modelled and observed time series
StdevRatio	Ratio of standard deviations of the modelled and observed time series
Fac2	Fraction of modelled daily concentrations within the factor of 2 from the corresponding observations
RMS	RMSE, [pollen m ⁻³]
shift_5p	shift of the season start (date of the 5% of the cumulative seasonal concentration), [day]
shift_95p	shift of the season end (date of the 95% of the cumulative seasonal concentration), [day]
day_5p_m	model-predicted season start (date of the 5% of the cumulative seasonal concentration), [day of the year]
day_95p_m	model-predicted season end (date of the 95% of the cumulative seasonal concentration), [day of the year]
day_5p_o	observed season start (date of the 5% of the cumulative seasonal concentration), [day of the year]
day_95p_o	observed season end (date of the 95% of the cumulative seasonal concentration), [day of the year]

EMEP model													
	N	Bias	Correl	p_value_lg	StdevRatio	Fac2	RMS	shift_5p	shift_95p	day_5p_m	day_95p_m	Longitude	Latitude
ESALCA	81.00	-3.22	0.28	-1.99	0.83	0.14	38.89	-12	-18	118	145	-3.3667	40.4833
ESARAN	64.00	17.47	0.27	-1.53	2.24	0.06	78.51	-12	-26	116	133	-3.75	40.0333
ESAREN	90	7.58	0.02	-0.06	0.68	0.17	66.85	-13	8	116	166	-5.0832	40.2033
ESAVIL	91	2.17	0.23	-1.53	0.90	0.15	23.31	-2	0	126	166	-4.6844	40.6572
ESBADA	91	26.79	0.28	-2.21	1.65	0.03	150.37	-6	-20	121	136	-6.9667	38.8833
ESBAR2	91	-20.52	0.39	-3.79	0.02	0.02	40.88	-8	3	117	164	2.1649	41.3937
ESBARC	89	-14.73	0.43	-4.52	0.07	0.03	29.70	-6	2	124	162	2.1084	41.5005
ESCART	91	-8.79	0.22	-1.48	0.22	0.11	16.17	1	3	111	164	-0.9833	37.6
ESCORU	91	-361.5	0.13	-0.63	0.11	0.07	913.28	-20	-9	100	132	-4.8403	37.8453
ESDOBE	53	88.24	0.39	-2.41	1.76	0.08	266.35	-9	-7	118	133	-5.52	38.57
ESGIRO	91	-15.07	0.16	-0.87	0.03	0.04	40.69	-14	3	117	162	2.8167	41.9833
ESGRAU	84	-91.33	0.19	-1.11	0.31	0.13	328.81	-15	-1	115	156	-3.65	37.2
ESGUAD	91	-3.98	0.31	-2.56	0.72	0.18	31.80	-3	-12	126	154	-3.1728	40.6297
ESLEON	84	-1.83	0.39	-3.54	0.20	0.11	7.21	-15	0	126	171	-5.5833	42.5667
ESLLEI	75	-41.82	0.44	-4.14	0.04	0.01	92.68	-2	0	129	163	0.6333	41.6167
ESMADR	83	-1.37	0.20	-1.12	0.90	0.11	38.90	-14	-19	115	145	-3.7167	40.4167
ESMALA	91	-136.1	0.35	-3.14	0.15	0.12	289.46	-5	-17	101	132	-4.3167	36.7833
ESOREU	91	2.75	0.10	-0.47	1.92	0.09	11.05	-18	-6	114	160	-7.85	42.2833
ESPALE	91	0.71	0.14	-0.72	0.69	0.08	10.09	-9	-14	131	159	-4.5342	42.0025
ESPALM	63	-19.06	0.68	-9.02	0.38	0.22	44.75	-4	-22	121	139	2.65	39.6353
ESPLAS	58	-15.87	0.12	-0.45	0.40	0.05	51.06	-15	3	115	147	-2.2833	39.9808
ESPONF	91	-2.71	0.11	-0.50	0.08	0.05	11.25	-14	1	126	174	-6.5833	42.55
ESSALA	91	35.33	-0.10	-0.47	5.32	0.13	89.06	-12	-25	120	141	-5.6633	40.9656

ESSEGO	84	-3.77	0.03	-0.10	0.60	0.12	18.87	-3	-3	126	161	-4.1161	40.9381
ESSORI	84	-1.86	0.15	-0.76	0.39	0.06	11.15	-7	-6	122	155	-2.4758	41.7622
ESTARR	89	-49.21	0.39	-3.73	0.01	0.01	111.67	-8	4	117	163	1.25	41.1
ESTOLE	77	14.92	0.08	-0.33	1.06	0.05	145.74	-13	-16	118	137	-4.0267	39.8592
ESVALL	84	-2.52	0.10	-0.43	0.39	0.07	10.90	-15	-4	126	162	-4.7306	41.6448
ESVIGO	91	-3	0.31	-2.55	0.10	0.02	8.47	-4	0	126	167	-8.7167	42.2167
ESVILL	50	28.95	0.26	-1.14	4.45	0.16	55.93	-2	-17	135	151	-3.9917	40.6228
ESZAFR	57	48.46	0.38	-2.42	1.10	0.07	338.58	-7	-6	120	135	-6.4164	38.4258
ESZAMO	91	5.34	-0.08	-0.35	1.39	0.10	28.53	-16	-23	124	147	-5.7486	41.5142
ESZARA	91	-15.71	0.75	-17.10	0.08	0.01	43.36	-9	-4	118	157	-0.8667	41.5167
FRAIXP	47	-16	-0	-0	0.06	0.04	22.41	-4	1	128	164	5.4416	43.5352
FRAJAC	54	-214.3	0.45	-3.15	0	0.02	386.07	-4	1	133	162	8.7389	41.9376
FRAVIG	41	-10.74	0.49	-2.99	0.06	0	18.36	-4	-11	130	152	4.8051	43.9203
FRBOUB	15	-4.12	0.52	-1.35	0.34	0.07	4.96	0	-2	141	161	5.2208	46.21
FRMARS	21	-20.43	-0.02	-0.02	0.04	0	24.78	1	0	136	161	5.3616	43.3784
FRMONP	41	-5.86	0.02	-0.04	0.35	0.07	10.67	0	-1	129	159	4.4195	44.0506
FRNARB	27	-9.04	0.26	-0.73	0.05	0	14.52	-15	-1	126	163	3.0032	43.179
FRNIC2	26	-23.88	0.85	-7.56	0.18	0.04	37.80	0	-7	132	159	7.2788	43.7016
FRNIME	43	-25.48	0.14	-0.42	0.03	0.05	37.98	-5	2	129	161	4.3498	43.8331
FRROUS	18	-5.67	0.40	-1.02	0.21	0.06	7.93	-1	-5	140	161	4.8121	45.3706
FRTOUS	90	-15.20	0.01	-0.04	0.01	0	30.64	-7	-17	126	164	1.4536	43.5592
GRTHES	91	-0.70	0.18	-1.10	0.20	0.01	3.04	-7	3	104	153	22.9583	40.6439
HRSPLI	77	-5.67	0.53	-6.18	0.56	0.40	27.98	-11	5	108	160	16.4547	43.5108
HRZADA	33	-12.21	-0.18	-0.49	0.76	0.06	39.17	-5	-10	129	142	15.2325	44.1127
ILJERU	66	-13.45	0.19	-0.87	0.27	0.17	35.67	-1	18	102	159	35.2244	31.7817

ILTELA	91	-12.16	0.21	-1.38	0.16	0.13	32.65	-2	7	92	146	34.803	32.1226
ITPARM	91	-0.91	0.28	-2.12	0.23	0.04	2.13	8	4	125	162	10.3333	44.7167
IT_BR1	91	-113.3	-0.19	-1.18	0.09	0.04	348.43	-32	-23	102	131	17.9331	40.6167
IT_FG1	91	-19.68	0.07	-0.31	0.04	0.04	44.40	-29	-2	101	162	15.55	41.45
IT_GE4	91	-0.49	0.23	-1.58	0.52	0.12	3.37	0	-11	107	154	8.88477	44.4114
IT_IM3	91	19.38	0.01	-0.02	2.24	0	90.23	-18	-27	118	138	8.01028	43.8731
IT_NA2	84	-4.20	0.38	-3.42	0.19	0.11	8.17	-15	-1	113	161	14.2667	40.8667
IT_PG1	89	3.47	0.68	-12.48	1.12	0.17	23.98	-4	-6	140	161	12.3944	43.1022
IT_PR1	91	-0.94	0.29	-2.21	0.21	0.04	2.16	-6	4	111	162	10.3167	44.8042
IT_SP2	91	3.47	-0.33	-2.80	1.40	0.04	19.87	-38	-27	106	140	9.81917	44.1222
IT_SV4	91	-5.76	-0.02	-0.05	0.24	0.12	14.18	-19	-28	107	146	8.4775	44.3119
TRGORU	91	-49.85	0.55	-7.70	0.23	0.05	188.59	-4	18	133	167	29.0695	40.1943
EURAD model													
	N	Bias	Correl	p_value_lg	StdevRatio	Fac2	RMS	shift_5p	shift_95p	day_5p_m	day_95p_m	Longitude	Latitude
ESALCA	81	47.29	0.58	-7.94	3.23	0.25	108.18	-15	-6	115	157	-3.3667	40.4833
ESARAN	64	78.33	0.38	-2.68	5.11	0.19	185.60	-13	-10	115	149	-3.75	40.0333
ESAREN	90	58.96	0.24	-1.70	1.86	0.09	119.77	-18	12	111	170	-5.0832	40.2033
ESAVIL	91	42.12	0.21	-1.38	3.77	0.08	83.77	-2	5	126	171	-4.6844	40.6572
ESBADA	91	322.08	0.64	-11.04	6.86	0.07	642.22	-5	-5	122	151	-6.9667	38.8833
ESBAR2	91	-13.52	0.53	-7.09	0.32	0.19	34	-11	-2	114	159	2.1649	41.3937
ESBARC	89	-7.93	0.42	-4.39	0.48	0.18	25.39	-13	-2	117	158	2.1084	41.5005
ESCART	91	14.61	0.19	-1.18	3.61	0.30	51.64	1	-5	111	156	-0.9833	37.6
ESCORU	91	-80.95	0.68	-12.78	0.57	0.24	633.31	-19	3	101	144	-4.8403	37.8453
ESDOBE	53	404.22	0.84	-14.50	3.74	0.04	603.73	-11	1	116	141	-5.52	38.57

ESGIRO	91	-10.83	0.48	-5.73	0.25	0.12	36.08	-10	-1	121	158	2.8167	41.9833
ESGRAU	84	131.73	0.47	-5.14	1.23	0.27	394.81	-16	-7	114	150	-3.65	37.2
ESGUAD	91	36.43	0.48	-5.88	3.09	0.26	91.33	-14	-5	115	161	-3.1728	40.6297
ESLEON	84	5.93	0.60	-8.75	2.61	0.13	17.12	-14	1	127	172	-5.5833	42.5667
ESLLEI	75	-24.28	0.52	-5.79	0.38	0.20	76.79	-2	9	129	172	0.6333	41.6167
ESMADR	83	49.30	0.45	-4.69	3.63	0.25	117.20	-15	-7	114	157	-3.7167	40.4167
ESMALA	91	-27.59	0.62	-10.23	0.76	0.37	214.21	0	0	106	149	-4.3167	36.7833
ESOREU	91	36.35	0.13	-0.68	15.42	0.09	86.98	-9	3	123	169	-7.85	42.2833
ESPALE	91	18.73	0.40	-4.16	3.40	0.04	33.52	-13	-1	127	172	-4.5342	42.0025
ESPALM	63	-6.71	0.75	-11.70	0.54	0.48	36.23	-2	0	123	161	2.65	39.6353
ESPLAS	58	32.38	0.16	-0.66	2.07	0.09	106.32	-15	4	115	148	-2.2833	39.9808
ESPONF	91	1.49	0.25	-1.82	0.70	0.07	11.77	-14	1	126	174	-6.5833	42.55
ESSALA	91	147.84	0.30	-2.47	14.40	0.11	256.54	-7	-5	125	161	-5.6633	40.9656
ESSEGO	84	20.15	0.21	-1.27	3.02	0.13	51.86	-3	-2	126	162	-4.1161	40.9381
ESSORI	84	12.83	0.35	-2.96	4.11	0.15	43.77	-2	0	127	161	-2.4758	41.7622
ESTARR	89	-39.46	0.39	-3.71	0.15	0.17	103.76	-8	4	117	163	1.25	41.1
ESTOLE	77	196.24	0.43	-4.08	3.68	0.26	400.99	-12	-10	119	143	-4.0267	39.8592
ESVALL	84	15.84	0.36	-3.19	3.68	0.17	38.62	-15	2	126	168	-4.7306	41.6448
ESVIGO	91	3.94	0.18	-1.08	2.15	0.07	18.33	-21	4	109	171	-8.7167	42.2167
ESVILL	50	53.02	0.43	-2.78	8.18	0.08	101.64	-1	2	136	170	-3.9917	40.6228
ESZAFR	57	364.99	0.74	-10.38	2.08	0.11	561.19	-7	6	120	147	-6.4164	38.4258
ESZAMO	91	39.83	0.56	-8.18	5.09	0.12	82.78	-14	-8	126	162	-5.7486	41.5142
ESZARA	91	-3.79	0.70	-13.80	0.76	0.23	31.14	-12	-1	115	160	-0.8667	41.5167
FRAIXP	47	-12.29	0.01	-0.02	0.31	0.30	20.46	-3	2	129	165	5.4416	43.5352
FRAJAC	54	-203.2	0.32	-1.77	0.07	0.19	375.20	-4	5	133	166	8.7389	41.9376

FRAVIG	41	-8.11	0.63	-4.94	0.29	0.15	15.32	-6	0	128	163	4.8051	43.9203
FRBOUB	15	-2.07	0.79	-3.31	0.95	0.40	2.89	0	-1	141	162	5.2208	46.21
FRMARS	21	-16.52	0.06	-0.10	0.36	0.05	22.04	0	0	135	161	5.3616	43.3784
FRMONP	41	-4.20	0.48	-2.81	0.54	0.39	8.56	0	-1	129	159	4.4195	44.0506
FRNARB	27	-1.40	0.36	-1.17	1.50	0.30	17.04	-1	-6	140	158	3.0032	43.179
FRNIC2	26	-18.96	0.60	-2.95	0.25	0.35	35.43	-1	2	131	168	7.2788	43.7016
FRNIME	43	-20.46	0.33	-1.52	0.17	0.14	33.92	-4	3	130	162	4.3498	43.8331
FRROUS	18	-3.37	0.25	-0.51	0.89	0.06	7.66	-1	-4	140	162	4.8121	45.3706
FRTOUS	90	-13.26	0	-0.01	0.22	0.07	30.32	-6	-19	127	162	1.4536	43.5592
GRTHES	91	5.41	0.49	-6.16	3.02	0.09	9.69	-6	27	105	177	22.9583	40.6439
HRSPLI	77	64.40	0.25	-1.52	2.92	0.26	112.14	5	9	124	164	16.4547	43.5108
HRZADA	33	77.80	0.20	-0.56	2.33	0.18	101.02	-4	12	130	164	15.2325	44.1127
ILJERU	66	-13.14	0.14	-0.60	0.27	0.15	35.91	-11	35	92	176	35.2244	31.7817
ILTELA	91	-7.55	0.25	-1.76	0.49	0.18	31.82	0	38	94	177	34.803	32.1226
ITPARM	91	3.15	0.24	-1.67	3.67	0.12	7.79	1	11	118	169	10.3333	44.7167
IT_BR1	91	-42.04	0.17	-0.95	0.41	0.26	330.55	-25	12	109	166	17.9331	40.6167
IT_FG1	91	0.33	0.55	-7.92	0.85	0.16	35.29	-22	8	108	172	15.55	41.45
IT_GE4	91	4.05	0.33	-2.90	2.34	0.12	8.35	5	4	112	169	8.88477	44.4114
IT_IM3	91	353.62	-0.02	-0.06	14.39	0.08	628.52	-30	-15	106	150	8.01028	43.8731
IT_NA2	84	13.46	0.34	-2.76	3.82	0.25	29.94	-5	2	123	164	14.2667	40.8667
IT_PG1	89	39.27	0.59	-8.94	2.25	0.12	64.39	-14	14	130	181	12.3944	43.1022
IT_PR1	91	2.82	0.22	-1.42	3.55	0.10	7.56	1	10	118	168	10.3167	44.8042
IT_SP2	91	42.31	0.26	-1.84	5.29	0.07	66.13	-36	-4	108	163	9.81917	44.1222
IT_SV4	91	1.67	0.15	-0.79	0.97	0.14	16.20	-9	-9	117	165	8.4775	44.3119
TRGORU	91	13.45	0.24	-1.61	0.61	0.05	212.07	-15	29	122	178	29.0695	40.1943

LOTOS-EUROS model													
	N	Bias	Correl	p_value_lg	StdevRatio	Fac2	RMS	shift_5p	shift_95p	day_5p_m	day_95p_m	Longitude	Latitude
ESALCA	81	-10.93	-0.09	-0.35	0.63	0.10	44.48	-20	-25	110	138	-3.3667	40.4833
ESARAN	64	4.71	0.04	-0.11	1.31	0.11	56.75	-15	-29	113	130	-3.75	40.0333
ESAREN	90	-5.91	0.29	-2.25	0.50	0.26	54.58	-19	-9	110	149	-5.0832	40.2033
ESAVIL	91	2.28	0.16	-0.85	1.01	0.18	25.72	-14	-8	114	158	-4.6844	40.6572
ESBADA	91	79.41	0.11	-0.50	3	0.08	282.26	-12	-26	115	130	-6.9667	38.8833
ESBAR2	91	-19.10	-0.02	-0.07	0.21	0.12	41.28	-11	-21	114	140	2.1649	41.3937
ESBARC	89	-13.86	-0.01	-0.05	0.32	0.08	31.17	-15	-20	115	140	2.1084	41.5005
ESCART	91	-0.77	0.12	-0.62	2.32	0.13	33.59	1	-27	111	134	-0.9833	37.6
ESCORU	91	-313.31	-0.06	-0.25	0.22	0.09	931.58	-21	-17	99	124	-4.8403	37.8453
ESDOBE	53	84.80	-0.20	-0.81	1.64	0.11	328.21	-17	-13	110	127	-5.52	38.57
ESGIRO	91	-14.81	0.01	-0.03	0.08	0.10	40.81	-16	-16	115	143	2.8167	41.9833
ESGRAU	84	-12.40	0.50	-6	0.80	0.10	292.52	-16	-20	114	137	-3.65	37.2
ESGUAD	91	-12.24	-0.08	-0.37	0.52	0.15	37.49	-19	-27	110	139	-3.1728	40.6297
ESLEON	84	-2.24	0.41	-4.01	0.11	0.26	7.46	-15	-10	126	161	-5.5833	42.5667
ESLLEI	75	-42.82	0.01	-0.04	0.03	0.09	94.50	-20	-29	111	134	0.6333	41.6167
ESMADR	83	-7.22	-0.08	-0.35	0.67	0.08	40.82	-19	-20	110	144	-3.7167	40.4167
ESMALA	91	-117.5	0.41	-4.18	0.34	0.08	270.91	3	-18	109	131	-4.3167	36.7833
ESOREU	91	-1.46	0.08	-0.32	0.29	0.31	5.46	-25	3	107	169	-7.85	42.2833
ESPALE	91	-2.27	-0.04	-0.14	0.23	0.23	9.46	-33	-18	107	155	-4.5342	42.0025
ESPALM	63	-30.44	0.30	-1.75	0.06	0.05	58.77	-4	-21	121	140	2.65	39.6353
ESPLAS	58	-11.45	-0.04	-0.11	0.63	0.16	57.84	-20	-10	110	134	-2.2833	39.9808
ESPONF	91	-2.47	0.16	-0.85	0.16	0.30	11.12	-33	-13	107	160	-6.5833	42.55

ESSALA	91	35.83	-0.19	-1.12	5.96	0.07	99.04	-17	-34	115	132	-5.6633	40.9656
ESSEGO	84	-4.24	-0.08	-0.33	0.62	0.12	20.01	-17	-19	112	145	-4.1161	40.9381
ESSORI	84	-2.24	0.11	-0.47	0.48	0.25	11.68	-15	-15	114	146	-2.4758	41.7622
ESTARR	89	-47.44	-0.10	-0.47	0.07	0.11	112.09	-14	-25	111	134	1.25	41.1
ESTOLE	77	1.12	-0.15	-0.68	0.93	0.06	152.10	-17	-24	114	129	-4.0267	39.8592
ESVALL	84	-3.03	-0.07	-0.29	0.66	0.24	13.01	-33	-22	108	144	-4.7306	41.6448
ESVIGO	91	-2.52	0.13	-0.68	0.28	0.34	8.54	-23	-28	107	139	-8.7167	42.2167
ESVILL	50	-6.09	0.02	-0.05	0.28	0.20	12.99	-3	-20	134	148	-3.9917	40.6228
ESZAFR	57	69.47	-0.10	-0.35	1.19	0.09	471.14	-14	-12	113	129	-6.4164	38.4258
ESZAMO	91	-5.47	-0.09	-0.38	0.29	0.19	17.65	-33	-24	107	146	-5.7486	41.5142
ESZARA	91	-15.85	0.73	-15.38	0.14	0.11	42.06	-16	-20	111	141	-0.8667	41.5167
FRAIXP	47	-16.47	-0.05	-0.14	0.05	0.02	22.77	-4	-19	128	144	5.4416	43.5352
FRAJAC	54	-214.2	0.23	-1.02	0.01	0.04	385.84	-8	-15	129	146	8.7389	41.9376
FRAVIG	41	-10.93	0.37	-1.75	0.07	0.02	18.53	-6	-20	128	143	4.8051	43.9203
FRBOUB	15	-4.59	0.43	-0.98	0.16	0	5.47	0	-19	141	144	5.2208	46.21
FRMARS	21	-20.76	0.23	-0.49	0.02	0	25.01	4	-3	139	158	5.3616	43.3784
FRMONP	41	-7.93	-0.06	-0.15	0.17	0	11.75	10	-17	139	143	4.4195	44.0506
FRNARB	27	-8.98	0.49	-2.05	0.09	0	14.23	0	-18	141	146	3.0032	43.179
FRNIC2	26	-27.19	0.36	-1.16	0	0	43.82	0	-5	132	161	7.2788	43.7016
FRNIME	43	-25.74	0.22	-0.78	0.05	0	38.03	-6	-16	128	143	4.3498	43.8331
FRROUS	18	-6.28	-0.09	-0.13	0.06	0	8.66	-1	-8	140	158	4.8121	45.3706
FRTOUS	90	-15.15	-0.05	-0.19	0.02	0.11	30.64	-22	-35	111	146	1.4536	43.5592
GRTHES	91	-0.74	0.23	-1.54	0.21	0.03	3.02	-14	0	97	150	22.9583	40.6439
HRSPLI	77	8.83	0.26	-1.62	1.20	0.23	44.44	-7	-5	112	150	16.4547	43.5108
HRZADA	33	-15.23	-0.15	-0.41	0.30	0.03	33.42	-5	-10	129	142	15.2325	44.1127

ILJERU	66	-15.88	-0.06	-0.21	0.15	0.03	37.68	-11	7	92	148	35.2244	31.7817
ILTELA	91	-14.24	-0.05	-0.20	0.03	0.02	34.13	-2	27	92	166	34.803	32.1226
ITPARM	91	-0.86	0.30	-2.37	0.35	0.19	2.10	-13	-11	104	147	10.3333	44.7167
IT_BR1	91	-108.7	-0.12	-0.62	0.18	0.05	352.14	-32	-32	102	122	17.9331	40.6167
IT_FG1	91	-19.60	-0.04	-0.15	0.07	0.03	44.64	-21	-7	109	157	15.55	41.45
IT_GE4	91	-1.52	0.13	-0.65	0.14	0.15	3.60	-11	-18	96	147	8.88477	44.4114
IT_IM3	91	-13.86	0.13	-0.63	0.11	0.10	38.30	-14	-22	122	143	8.01028	43.8731
IT_NA2	84	-3.55	0.11	-0.50	0.48	0.12	8.62	-16	-6	112	156	14.2667	40.8667
IT_PG1	89	-5.50	0.03	-0.12	0.56	0.16	31.61	-28	-11	116	156	12.3944	43.1022
IT_PR1	91	-0.88	0.31	-2.48	0.32	0.20	2.12	-22	-9	95	149	10.3167	44.8042
IT_SP2	91	-5.39	-0.08	-0.36	0.06	0.07	11.34	-50	-20	94	147	9.81917	44.1222
IT_SV4	91	-7.28	-0.04	-0.14	0.08	0.12	14.57	-16	-30	110	144	8.4775	44.3119
TRGORU	91	-30.71	-0.08	-0.35	0.48	0.10	235.09	-17	-10	120	139	29.0695	40.1943
MATCH model													
	N	Bias	Correl	p_value_lg	StdevRatio	Fac2	RMS	shift_5p	shift_95p	day_5p_m	day_95p_m	Longitude	Latitude
ESALCA	81	26.44	-0.21	-1.18	1.96	0.07	87.34	-20	-27	110	136	-3.3667	40.4833
ESARAN	64	79.87	-0.22	-1.10	4.73	0.02	193.39	-21	-32	107	127	-3.75	40.0333
ESAREN	90	110.12	0.12	-0.56	3.54	0.20	225.97	-22	-10	107	148	-5.0832	40.2033
ESAVIL	91	27.18	0.07	-0.31	2.37	0.18	56.17	-18	-10	110	156	-4.6844	40.6572
ESBADA	91	213.50	-0.08	-0.37	6.27	0.04	608.99	-20	-27	107	129	-6.9667	38.8833
ESBAR2	91	-18.34	0.19	-1.10	0.12	0.11	39.62	-16	-13	109	148	2.1649	41.3937
ESBARC	89	-12.77	0.27	-1.92	0.17	0.07	28.69	-19	-12	111	148	2.1084	41.5005
ESCART	91	-0.32	0.20	-1.23	1.75	0.09	25.57	0	-28	110	133	-0.9833	37.6
ESCORU	91	-222.77	-0.11	-0.50	0.43	0.05	979.61	-23	-18	97	123	-4.8403	37.8453

ESDOBE	53	312.05	-0.37	-2.18	3.40	0.06	668.71	-23	-14	104	126	-5.52	38.57
ESGIRO	91	-14.36	0.02	-0.06	0.07	0.08	40.62	-20	-10	111	149	2.8167	41.9833
ESGRAU	84	111.80	-0.17	-0.89	1.51	0.02	631.67	-23	-27	107	130	-3.65	37.2
ESGUAD	91	22.67	-0.05	-0.17	2.25	0.05	79.55	-19	-29	110	137	-3.1728	40.6297
ESLEON	84	0.59	-0.12	-0.54	0.66	0.07	9.35	-39	-12	102	159	-5.5833	42.5667
ESLLEI	75	-38.19	0.13	-0.58	0.13	0.05	91.82	-27	-6	104	157	0.6333	41.6167
ESMADR	83	40.01	-0.18	-1.01	2.89	0.11	111.08	-19	-32	110	132	-3.7167	40.4167
ESMALA	91	-98.58	0.37	-3.60	0.52	0.14	268.57	-2	-23	104	126	-4.3167	36.7833
ESOREU	91	37.67	-0.07	-0.29	14.99	0.07	86.48	-28	-28	104	138	-7.85	42.2833
ESPALE	91	11.26	-0.11	-0.50	3.28	0.07	33.33	-26	-32	114	141	-4.5342	42.0025
ESPALM	63	-30.56	0.39	-2.83	0.04	0.02	58.94	-5	-5	120	156	2.65	39.6353
ESPLAS	58	4.95	0.30	-1.67	0.75	0.12	49.87	-27	-7	103	137	-2.2833	39.9808
ESPONF	91	0.88	0.04	-0.17	0.49	0.11	12.03	-30	1	110	174	-6.5833	42.55
ESSALA	91	149.45	-0.22	-1.40	22.37	0.04	367.31	-24	-35	108	131	-5.6633	40.9656
ESSEGO	84	5.46	-0.01	-0.03	1.50	0.17	29.58	-23	-6	106	158	-4.1161	40.9381
ESSORI	84	1.75	-0.03	-0.10	1.21	0.10	17.29	-27	-17	102	144	-2.4758	41.7622
ESTARR	89	-43.62	-0.06	-0.23	0.11	0.06	110.78	-14	-12	111	147	1.25	41.1
ESTOLE	77	67.10	-0.16	-0.78	2.61	0.08	312.37	-17	-26	114	127	-4.0267	39.8592
ESVALL	84	5.38	-0.12	-0.58	2.63	0.07	30.42	-35	-33	106	133	-4.7306	41.6448
ESVIGO	91	-0.09	0.32	-2.77	0.94	0.08	9.18	-28	0	102	167	-8.7167	42.2167
ESVILL	50	7.47	0.07	-0.20	2.13	0.22	26.51	-3	-2	134	166	-3.9917	40.6228
ESZAFR	57	317.51	-0.21	-0.96	2.36	0.02	847.76	-19	-13	108	128	-6.4164	38.4258
ESZAMO	91	49.12	-0.17	-0.99	7.88	0.07	137.10	-29	-38	111	132	-5.7486	41.5142
ESZARA	91	-12.99	0.42	-4.53	0.19	0	42.30	-25	-21	102	140	-0.8667	41.5167
FRAIXP	47	-15.51	-0.15	-0.48	0.13	0.11	22.34	-4	-9	128	154	5.4416	43.5352

FRAJAC	54	-213.9	0.28	-1.38	0.01	0.02	385.66	-8	1	129	162	8.7389	41.9376
FRAVIG	41	-10.35	0.17	-0.53	0.11	0.10	18.32	-6	-19	128	144	4.8051	43.9203
FRBOUB	15	-4.46	0.59	-1.68	0.23	0	5.26	0	-2	141	161	5.2208	46.21
FRMARS	21	-19.93	0.20	-0.40	0.08	0	24.27	-1	-6	134	155	5.3616	43.3784
FRMONP	41	-5.18	0.18	-0.59	0.75	0.17	10.91	-1	-17	128	143	4.4195	44.0506
FRNARB	27	-8.76	0.41	-1.49	0.10	0.15	14.12	-15	-6	126	158	3.0032	43.179
FRNIC2	26	-26.08	0.33	-1.01	0.05	0.04	42.74	-2	7	130	173	7.2788	43.7016
FRNIME	43	-24.18	0.05	-0.12	0.12	0.05	37.22	-7	-16	127	143	4.3498	43.8331
FRROUS	18	-6.17	-0.12	-0.19	0.12	0.06	8.64	-1	-5	140	161	4.8121	45.3706
FRTOUS	90	-14.78	-0.12	-0.56	0.05	0.04	30.60	-30	-24	103	157	1.4536	43.5592
GRTHES	91	-0.11	0.41	-4.17	0.45	0.03	2.75	1	20	112	170	22.9583	40.6439
HRSPLI	77	-13.05	0.08	-0.30	0.43	0.12	36.56	11	6	130	161	16.4547	43.5108
HRZADA	33	-17.81	0.26	-0.84	0.05	0.12	32.40	-5	6	129	158	15.2325	44.1127
ILJERU	66	-9.66	0.15	-0.66	0.75	0.05	39.79	-11	-36	92	105	35.2244	31.7817
ILTELA	91	-11.82	0.14	-0.75	0.31	0.10	33.27	-2	-25	92	114	34.803	32.1226
ITPARM	91	-0.35	0.20	-1.24	0.60	0.11	2.15	-10	4	107	162	10.3333	44.7167
IT_BR1	91	-126.9	0.12	-0.56	0.01	0.07	346.77	-20	11	114	165	17.9331	40.6167
IT_FG1	91	-16.42	0.24	-1.67	0.12	0.14	42.30	-32	-2	98	162	15.55	41.45
IT_GE4	91	-1.28	0.03	-0.09	0.22	0.05	3.59	3	2	110	167	8.88477	44.4114
IT_IM3	91	-14.66	0.06	-0.25	0.03	0.03	38.81	-26	6	110	171	8.01028	43.8731
IT_NA2	84	0.32	0.42	-4.19	1.11	0.27	8.43	-10	-3	118	159	14.2667	40.8667
IT_PG1	89	24.63	-0.06	-0.23	2.29	0.06	74.55	-16	-13	128	154	12.3944	43.1022
IT_PR1	91	-0.44	0.17	-0.99	0.55	0.09	2.17	-10	4	107	162	10.3167	44.8042
IT_SP2	91	-4.84	0.07	-0.31	0.14	0.02	11.03	-43	-2	101	165	9.81917	44.1222
IT_SV4	91	-7.17	-0.05	-0.20	0.06	0.04	14.50	-15	-3	111	171	8.4775	44.3119

TRGORU	91	43.50	0.38	-3.78	1.10	0.09	241.53	-13	16	124	165	29.0695	40.1943
MOCAGE model													
	N	Bias	Correl	p_value_lg	StdevRatio	Fac2	RMS	shift_5p	shift_95p	day_5p_m	day_95p_m	Longitude	Latitude
ESALCA	81	12.68	0.17	-0.86	1.48	0.22	59.02	-16	-13	114	150	-3.3667	40.4833
ESARAN	64	116.37	0.29	-1.74	7.16	0.20	268.48	-14	-26	114	133	-3.75	40.0333
ESAREN	90	69.46	0.23	-1.56	2.70	0.17	162.31	-16	7	113	165	-5.0832	40.2033
ESAVIL	91	39.27	0.26	-1.86	2.80	0.12	66.24	-8	3	120	169	-4.6844	40.6572
ESBADA	91	143.97	0.37	-3.59	3.86	0.11	350.91	-10	-19	117	137	-6.9667	38.8833
ESBAR2	91	-13.43	0.48	-5.85	0.37	0.15	34.25	-5	-5	120	156	2.1649	41.3937
ESBARC	89	-9.09	0.48	-5.63	0.49	0.12	25.02	-8	-5	122	155	2.1084	41.5005
ESCART	91	0.97	0.41	-4.33	1.33	0.21	18.01	1	-9	111	152	-0.9833	37.6
ESCORU	91	-8.70	0.12	-0.61	0.67	0.08	956.77	-20	-10	100	131	-4.8403	37.8453
ESDOBE	53	344.96	0.30	-1.52	3.46	0.09	610.43	-15	-6	112	134	-5.52	38.57
ESGIRO	91	-13.50	0.20	-1.24	0.12	0.14	39.66	-14	-1	117	158	2.8167	41.9833
ESGRAU	84	352.30	0.44	-4.63	2.45	0.21	785.96	-16	-13	114	144	-3.65	37.2
ESGUAD	91	7.45	0.22	-1.42	1.30	0.21	45.03	-15	-11	114	155	-3.1728	40.6297
ESLEON	84	6.91	0.30	-2.24	1.73	0.11	14.49	-8	-1	133	170	-5.5833	42.5667
ESLLEI	75	-36	0.31	-2.11	0.20	0.12	88.38	-2	-4	129	159	0.6333	41.6167
ESMADR	83	16.23	0.12	-0.54	1.88	0.25	67.12	-16	-15	113	149	-3.7167	40.4167
ESMALA	91	-37.24	0.60	-9.44	0.76	0.33	220.67	3	-15	109	134	-4.3167	36.7833
ESOREU	91	29.96	0.26	-1.94	9.22	0.10	55.28	-6	1	126	167	-7.85	42.2833
ESPALE	91	8.61	0.37	-3.56	2.06	0.14	19.13	-13	-8	127	165	-4.5342	42.0025
ESPALM	63	34.43	0.66	-8.40	1.83	0.19	78.89	-4	-21	121	140	2.65	39.6353
ESPLAS	58	-1.51	0.15	-0.61	0.87	0.10	57.51	-16	3	114	147	-2.2833	39.9808

ESPONF	91	-0.21	0.19	-1.13	0.41	0.08	11.05	-11	6	129	179	-6.5833	42.55
ESSALA	91	81.92	-0.08	-0.35	10.17	0.15	173.40	-14	-18	118	148	-5.6633	40.9656
ESSEGO	84	6.16	0.07	-0.27	1.51	0.17	28.85	-11	1	118	165	-4.1161	40.9381
ESSORI	84	1.38	0.25	-1.62	1.03	0.23	13.52	-2	8	127	169	-2.4758	41.7622
ESTARR	89	-41.30	0.35	-3.07	0.14	0.13	105.05	-8	-3	117	156	1.25	41.1
ESTOLE	77	97.06	0.18	-0.93	2.26	0.22	257.70	-14	-14	117	139	-4.0267	39.8592
ESVALL	84	9.16	0.25	-1.68	1.82	0.19	20.99	-15	-3	126	163	-4.7306	41.6448
ESVIGO	91	2.34	0.24	-1.66	1.49	0.09	13.13	-6	2	124	169	-8.7167	42.2167
ESVILL	50	24.77	0.24	-1.04	2.88	0.14	39.85	-2	6	135	174	-3.9917	40.6228
ESZAFR	57	380	0.42	-2.94	2.47	0.09	743.62	-11	-4	116	137	-6.4164	38.4258
ESZAMO	91	14.54	0.03	-0.10	2.28	0.10	41.57	-18	-12	122	158	-5.7486	41.5142
ESZARA	91	-13.04	0.76	-17.88	0.30	0.05	36.57	-12	-5	115	156	-0.8667	41.5167
FRAIXP	47	-14.15	0.25	-1.02	0.18	0.15	20.78	-4	3	128	166	5.4416	43.5352
FRAJAC	54	-208.9	0.51	-4.06	0.02	0.09	380.90	-8	-2	129	159	8.7389	41.9376
FRAVIG	41	-9.97	0.39	-1.91	0.12	0.05	17.78	-6	0	128	163	4.8051	43.9203
FRBOUB	15	-4.14	0.68	-2.26	0.24	0	4.94	0	-1	141	162	5.2208	46.21
FRMARS	21	-18.66	0.46	-1.43	0.12	0.05	22.93	2	-2	137	159	5.3616	43.3784
FRMONP	41	-7.57	0.25	-0.92	0.13	0.02	11.21	-1	-1	128	159	4.4195	44.0506
FRNARB	27	-8.11	0.48	-1.97	0.15	0.11	13.48	-3	-4	138	160	3.0032	43.179
FRNIC2	26	-19.11	0.10	-0.20	0.20	0.38	39.34	-2	7	130	173	7.2788	43.7016
FRNIME	43	-25.41	0.50	-3.25	0.03	0.05	37.66	-6	2	128	161	4.3498	43.8331
FRROUS	18	-6.06	0.28	-0.58	0.08	0	8.40	-1	-3	140	163	4.8121	45.3706
FRTOUS	90	-14.94	-0.06	-0.22	0.03	0.02	30.56	-19	-19	114	162	1.4536	43.5592
GRTHES	91	3.99	0.14	-0.73	2.54	0.07	8.78	-1	-3	110	147	22.9583	40.6439
HRSPLI	77	54.06	0.63	-8.95	2.20	0.12	78.47	-3	7	116	162	16.4547	43.5108

HRZADA	33	52.39	0.07	-0.15	2.61	0.18	91.29	-5	2	129	154	15.2325	44.1127
ILJERU	66	-7.91	0.33	-2.20	0.70	0.17	34.83	-11	4	92	145	35.2244	31.7817
ILTELA	91	-11.05	0.31	-2.61	0.21	0.19	31.57	-1	32	93	171	34.803	32.1226
ITPARM	91	0.15	0.15	-0.83	0.87	0.10	2.46	-10	11	107	169	10.3333	44.7167
IT_BR1	91	-55.11	-0.12	-0.56	0.30	0.12	351.81	-32	-9	102	145	17.9331	40.6167
IT_FG1	91	-7.63	0.23	-1.51	0.41	0.14	40.23	-32	-1	98	163	15.55	41.45
IT_GE4	91	2.47	0.09	-0.40	2.05	0.14	7.64	4	-6	111	159	8.88477	44.4114
IT_IM3	91	68.50	-0.17	-1.01	2.41	0.20	120.91	-32	-9	104	156	8.01028	43.8731
IT_NA2	84	7.32	0.50	-6.02	2.42	0.24	17.20	-2	1	126	163	14.2667	40.8667
IT_PG1	89	53.47	0.64	-10.94	3.56	0.20	99.01	-9	-4	135	163	12.3944	43.1022
IT_PR1	91	0.13	0.15	-0.84	0.83	0.08	2.41	-10	11	107	169	10.3167	44.8042
IT_SP2	91	73.86	-0.35	-3.16	9.96	0.15	126.49	-38	-23	106	144	9.81917	44.1222
IT_SV4	91	4.78	-0.03	-0.12	1.27	0.08	21.12	-11	-19	115	155	8.4775	44.3119
TRGORU	91	107.27	0.46	-5.30	0.93	0.12	231.32	-4	29	133	178	29.0695	40.1943
SILAM model													
	N	Bias	Correl	p_value_lg	StdevRatio	Fac2	RMS	shift_5p	shift_95p	day_5p_m	day_95p_m	Longitude	Latitude
ESALCA	81	8.47	0.23	-1.39	1.37	0.14	53.44	-16	-18	114	145	-3.3667	40.4833
ESARAN	64	53.53	0.27	-1.47	4.51	0.09	161	-13	-26	115	133	-3.75	40.0333
ESAREN	90	47.28	0.22	-1.38	1.39	0.17	96.96	-13	6	116	164	-5.0832	40.2033
ESAVIL	91	18.52	0.22	-1.45	2.02	0.21	44.19	-2	-2	126	164	-4.6844	40.6572
ESBADA	91	136.42	0.47	-5.65	3.81	0.13	334.75	-7	-18	120	138	-6.9667	38.8833
ESBAR2	91	-16.82	0.33	-2.90	0.28	0.07	37.63	-10	-8	115	153	2.1649	41.3937
ESBARC	89	-11.44	0.44	-4.90	0.40	0.11	26.38	-9	-7	121	153	2.1084	41.5005
ESCART	91	-1.39	0.27	-2.05	1.55	0.23	22.32	1	-10	111	151	-0.9833	37.6

ESCORU	91	-259.9	0.02	-0.07	0.28	0.08	911.24	-20	-10	100	131	-4.8403	37.8453
ESDOBE	53	235.3	0.43	-2.83	2.77	0.15	449.12	-11	-4	116	136	-5.52	38.57
ESGIRO	91	-14.39	0.25	-1.74	0.08	0.09	39.96	-6	-1	125	158	2.8167	41.9833
ESGRAU	84	85.99	0.26	-1.75	1.21	0.10	443.05	-17	-18	113	139	-3.65	37.2
ESGUAD	91	3.80	0.25	-1.81	1.27	0.20	42.86	-15	-17	114	149	-3.1728	40.6297
ESLEON	84	-0.71	0.38	-3.38	0.36	0.19	6.90	-11	0	130	171	-5.5833	42.5667
ESLLEI	75	-38.65	0.37	-2.98	0.15	0.11	89.21	-2	-1	129	162	0.6333	41.6167
ESMADR	83	14.28	0.20	-1.19	1.71	0.25	59.53	-15	-17	114	147	-3.7167	40.4167
ESMALA	91	-90.17	0.48	-5.79	0.40	0.21	251.68	-4	-16	102	133	-4.3167	36.7833
ESOREU	91	19.08	0.02	-0.08	7.81	0.20	44.76	-26	-11	106	155	-7.85	42.2833
ESPALE	91	2.70	0.44	-4.82	1.13	0.16	10.42	-13	-9	127	164	-4.5342	42.0025
ESPALM	63	12.03	0.75	-11.89	1.29	0.25	45.29	-3	-21	122	140	2.65	39.6353
ESPLAS	58	-8.63	0.20	-0.90	0.63	0.14	51.14	-15	3	115	147	-2.2833	39.9808
ESPONF	91	0.27	0.02	-0.08	0.61	0.15	12.73	-11	0	129	173	-6.5833	42.55
ESSALA	91	65.76	-0.09	-0.42	9.50	0.21	157.56	-13	-22	119	144	-5.6633	40.9656
ESSEGO	84	-0.66	0.04	-0.13	0.99	0.18	22.18	-9	-2	120	162	-4.1161	40.9381
ESSORI	84	-0.01	0.16	-0.82	0.68	0.17	12.05	-8	-4	121	157	-2.4758	41.7622
ESTARR	89	-45.48	0.34	-2.93	0.06	0.11	108.63	-8	-5	117	154	1.25	41.1
ESTOLE	77	94.30	0.04	-0.12	2.55	0.08	296.38	-14	-18	117	135	-4.0267	39.8592
ESVALL	84	0.22	0.26	-1.74	0.74	0.13	11.08	-15	-4	126	162	-4.7306	41.6448
ESVIGO	91	-1.84	0.29	-2.24	0.42	0.34	8.09	-6	0	124	167	-8.7167	42.2167
ESVILL	50	39.22	0.42	-2.64	5.07	0.20	65.65	-1	-5	136	163	-3.9917	40.6228
ESZAFR	57	193	0.50	-4.19	1.71	0.21	465.09	-9	-3	118	138	-6.4164	38.4258
ESZAMO	91	16.35	-0.05	-0.17	2.75	0.14	49.57	-18	-20	122	150	-5.7486	41.5142
ESZARA	91	-14.06	0.74	-16.33	0.22	0.08	39.02	-7	-5	120	156	-0.8667	41.5167

FRAIXP	47	-15.94	-0.14	-0.47	0.07	0.09	22.49	-4	-3	128	160	5.4416	43.5352
FRAJAC	54	-214.0	0.42	-2.83	0.01	0.02	385.75	-4	2	133	163	8.7389	41.9376
FRAVIG	41	-10.93	0.37	-1.75	0.03	0.02	18.69	-6	-15	128	148	4.8051	43.9203
FRBOUB	15	-4.64	0.61	-1.81	0.10	0	5.52	0	-1	141	162	5.2208	46.21
FRMARS	21	-20.47	-0.06	-0.10	0.03	0	24.82	0	-1	135	160	5.3616	43.3784
FRMONP	41	-3.33	0.25	-0.96	0.68	0.29	9.55	-1	-12	128	148	4.4195	44.0506
FRNARB	27	-8.26	0.29	-0.85	0.21	0.11	13.79	-1	-6	140	158	3.0032	43.179
FRNIC2	26	-21.97	0.15	-0.34	0.42	0.08	41.46	-2	0	130	166	7.2788	43.7016
FRNIME	43	-24.76	0.19	-0.67	0.05	0.05	37.40	-5	-1	129	158	4.3498	43.8331
FRROUS	18	-6.26	0.13	-0.22	0.06	0	8.60	-1	-6	140	160	4.8121	45.3706
FRTOUS	90	-15.16	0.03	-0.12	0.02	0.08	30.62	-6	-19	127	162	1.4536	43.5592
GRTHES	91	0.22	0.06	-0.23	1.14	0.02	4.43	0	20	111	170	22.9583	40.6439
HRSPLI	77	18.01	0.57	-7.09	1.30	0.32	40.03	1	5	120	160	16.4547	43.5108
HRZADA	33	5.41	-0.22	-0.66	1.54	0.12	55.49	-5	-1	129	151	15.2325	44.1127
ILJERU	66	-10.03	0.38	-2.84	0.56	0.08	33.06	-1	-20	102	121	35.2244	31.7817
ILTELA	91	-11.95	0.23	-1.55	0.22	0.09	32.42	-2	1	92	140	34.803	32.1226
ITPARM	91	-0.49	0.27	-1.98	0.76	0.11	2.22	-10	2	107	160	10.3333	44.7167
IT_BR1	91	-99.37	-0.16	-0.89	0.17	0.11	350.81	-36	-21	98	133	17.9331	40.6167
IT_FG1	91	-14.67	0.19	-1.16	0.30	0.05	42.04	-29	-6	101	158	15.55	41.45
IT_GE4	91	0.02	0.15	-0.79	0.99	0.11	4.28	-1	-16	106	149	8.88477	44.4114
IT_IM3	91	149.88	-0.20	-1.24	9.31	0.05	375.37	-39	-40	97	125	8.01028	43.8731
IT_NA2	84	-1.86	0.46	-4.95	0.76	0.20	7.20	-3	-1	125	161	14.2667	40.8667
IT_PG1	89	24.89	0.62	-9.95	2.30	0.17	57	-12	-4	132	163	12.3944	43.1022
IT_PR1	91	-0.62	0.27	-2.05	0.63	0.11	2.16	-10	4	107	162	10.3167	44.8042
IT_SP2	91	29.87	-0.30	-2.40	6.31	0.04	72.66	-35	-28	109	139	9.81917	44.1222

IT_SV4	91	-2.99	-0.05	-0.21	0.60	0.14	15.25	-17	-20	109	154	8.4775	44.3119
TRGORU	91	1.73	0.54	-7.46	0.60	0.11	171.76	-5	17	132	166	29.0695	40.1943
SILAMos150 model													
	N	Bias	Correl	p_value_lg	StdevRatio	Fac2	RMS	shift_5p	shift_95p	day_5p_m	day_95p_m	Longitude	Latitude
ESALCA	81	3.84	0.62	-9.27	1.07	0.33	31.83	-3	-7	127	156	-3.3667	40.4833
ESARAN	64	31.36	0.47	-4.09	2.78	0.28	91.64	-1	-8	127	151	-3.75	40.0333
ESAREN	90	46.06	0.08	-0.36	1.40	0.17	102.48	-2	14	127	172	-5.0832	40.2033
ESAVIL	91	21.76	0.21	-1.33	2.17	0.11	48.14	-1	8	127	174	-4.6844	40.6572
ESBADA	91	116.08	0.76	-17.48	3.46	0.19	272.39	-1	-7	126	149	-6.9667	38.8833
ESBAR2	91	-17.37	0.50	-6.34	0.20	0.19	36.97	0	-3	125	158	2.1649	41.3937
ESBARC	89	-11.84	0.52	-6.71	0.30	0.25	26.20	-2	-2	128	158	2.1084	41.5005
ES CART	91	-3.24	0.27	-2.03	1.20	0.19	18.95	6	-3	116	158	-0.9833	37.6
ESCORU	91	-266.01	0.33	-2.93	0.29	0.13	840.74	-13	-2	107	139	-4.8403	37.8453
ESDOBE	53	180.39	0.77	-11	2.46	0.21	328.57	-3	1	124	141	-5.52	38.57
ESGIRO	91	-14.47	0.39	-3.81	0.06	0.10	39.78	-3	0	128	159	2.8167	41.9833
ESGRAU	84	54.89	0.69	-12.36	1.08	0.35	268.66	-10	-6	120	151	-3.65	37.2
ESGUAD	91	2.39	0.61	-9.84	1.09	0.31	28.24	-2	-6	127	160	-3.1728	40.6297
ESLEON	84	0.14	0.60	-8.88	0.69	0.21	5.95	4	7	145	178	-5.5833	42.5667
ESLLEI	75	-38.05	0.55	-6.62	0.13	0.20	87.28	-1	5	130	168	0.6333	41.6167
ESMADR	83	12.88	0.50	-5.93	1.42	0.24	42.43	-2	-8	127	156	-3.7167	40.4167
ESMALA	91	-102.75	0.53	-7.04	0.35	0.16	253.43	3	-2	109	147	-4.3167	36.7833
ESOREU	91	19.80	0.16	-0.89	8.62	0.18	48.18	-10	-1	122	165	-7.85	42.2833
ESPALE	91	5.70	0.59	-9.21	2.05	0.20	15.88	2	-2	142	171	-4.5342	42.0025
ESPALM	63	4.94	0.79	-13.72	1.06	0.32	34.81	3	-5	128	156	2.65	39.6353

ESPLAS	58	-11.03	0.31	-1.74	0.50	0.19	47	-3	4	127	148	-2.2833	39.9808
ESPONF	91	-0.33	0.12	-0.57	0.58	0.22	12.05	5	8	145	181	-6.5833	42.55
ESSALA	91	58.42	0.35	-3.10	6.69	0.12	111.62	-4	-6	128	160	-5.6633	40.9656
ESSEGO	84	1.81	0.24	-1.53	1.21	0.20	22.18	-2	6	127	170	-4.1161	40.9381
ESSORI	84	0.44	0.25	-1.66	1.01	0.24	13.30	-2	0	127	161	-2.4758	41.7622
ESTARR	89	-45.27	0.57	-8.34	0.07	0.13	106.88	0	-1	125	158	1.25	41.1
ESTOLE	77	86.23	0.43	-4.08	2.23	0.27	226.04	-6	-8	125	145	-4.0267	39.8592
ESVALL	84	1.89	0.52	-6.29	1.06	0.23	10.58	0	2	141	168	-4.7306	41.6448
ESVIGO	91	-1.33	0.01	-0.05	0.64	0.26	9.70	5	3	135	170	-8.7167	42.2167
ESVILL	50	51.63	0.56	-4.70	6.12	0.18	81.02	3	4	140	172	-3.9917	40.6228
ESZAFR	57	151.55	0.81	-13.38	1.40	0.28	282.73	-1	5	126	146	-6.4164	38.4258
ESZAMO	91	16.11	0.47	-5.66	2.24	0.21	35.08	-9	-9	131	161	-5.7486	41.5142
ESZARA	91	-13.89	0.60	-9.59	0.19	0.19	41	0	-1	127	160	-0.8667	41.5167
FRAIXP	47	-15.58	0.03	-0.09	0.09	0.11	22.10	-4	1	128	164	5.4416	43.5352
FRAJAC	54	-213.79	0.45	-3.13	0.01	0.04	385.67	-3	15	134	176	8.7389	41.9376
FRAVIG	41	-10.93	0.42	-2.18	0.04	0	18.62	4	7	138	170	4.8051	43.9203
FRBOUB	15	-4.58	0.46	-1.07	0.13	0	5.47	0	-1	141	162	5.2208	46.21
FRMARS	21	-20	-0.11	-0.19	0.10	0	24.54	0	-1	135	160	5.3616	43.3784
FRMONP	41	-2.54	0.36	-1.72	0.76	0.34	8.95	4	-2	133	158	4.4195	44.0506
FRNARB	27	-7.68	0.20	-0.51	0.32	0.26	13.69	-1	-6	140	158	3.0032	43.179
FRNIC2	26	-17.59	0.56	-2.53	0.55	0.12	33.48	0	-4	132	162	7.2788	43.7016
FRNIME	43	-24.21	0.21	-0.78	0.07	0.07	36.95	1	-1	135	158	4.3498	43.8331
FRROUS	18	-6.05	0.15	-0.26	0.14	0	8.42	0	-6	141	160	4.8121	45.3706
FRTOUS	90	-15.08	0.04	-0.16	0.04	0.10	30.57	7	-18	140	163	1.4536	43.5592
GRTHES	91	0.11	0.25	-1.74	0.93	0.08	3.56	6	26	117	176	22.9583	40.6439

HRSPLI	77	25.90	0.46	-4.62	1.60	0.22	53.48	11	9	130	164	16.4547	43.5108
HRZADA	33	50.76	0.15	-0.39	2.63	0.27	89.13	-5	-5	129	147	15.2325	44.1127
ILJERU	66	-6.39	0.75	-12.24	0.62	0.21	23.58	0	-15	103	126	35.2244	31.7817
ILTELA	91	-11.26	0.34	-2.94	0.22	0.12	31.48	2	2	96	141	34.803	32.1226
ITPARM	91	-0.30	0.17	-0.98	1.02	0.14	2.62	10	13	127	171	10.3333	44.7167
IT_BR1	91	-96.48	-0.05	-0.18	0.19	0.14	345.21	-24	-7	110	147	17.9331	40.6167
IT_FG1	91	-14.02	0.55	-7.83	0.41	0.19	36.52	-18	1	112	165	15.55	41.45
IT_GE4	91	0.39	0.11	-0.53	1.34	0.13	5.20	18	-6	125	159	8.88477	44.4114
IT_IM3	91	145.84	-0.17	-0.95	8.73	0.13	353.73	-30	-29	106	136	8.01028	43.8731
IT_NA2	84	-2.17	0.40	-3.84	0.74	0.14	7.53	-2	0	126	162	14.2667	40.8667
IT_PG1	89	20.36	0.82	-22.51	2.34	0.18	49.17	0	4	144	171	12.3944	43.1022
IT_PR1	91	-0.46	0.19	-1.17	0.84	0.14	2.41	11	12	128	170	10.3167	44.8042
IT_SP2	91	34.16	-0.15	-0.82	7.35	0.14	82.44	-24	-15	120	152	9.81917	44.1222
IT_SV4	91	-2.25	0.18	-1.08	0.68	0.15	14	-4	-13	122	161	8.4775	44.3119
TRGORU	91	5.19	0.08	-0.36	0.64	0.10	232.37	3	26	140	175	29.0695	40.1943
MEAN model													
	N	Bias	Correl	p_value_lg	StdevRatio	Fac2	RMS	shift_5p	shift_95p	day_5p_m	day_95p_m	Longitude	Latitude
ESALCA	81	18.33	0.32	-2.39	1.47	0.23	55.56	-17	-12	113	151	-3.3667	40.4833
ESARAN	64	68.65	0.24	-1.27	4.09	0.20	154.70	-15	-16	113	143	-3.75	40.0333
ESAREN	90	58.95	0.23	-1.49	1.73	0.09	115.37	-19	7	110	165	-5.0832	40.2033
ESAVIL	91	25.85	0.24	-1.70	2.15	0.12	49.37	-10	0	118	166	-4.6844	40.6572
ESBADA	91	168.55	0.44	-4.81	3.55	0.14	332.76	-14	-10	113	146	-6.9667	38.8833
ESBAR2	91	-16.53	0.49	-6.14	0.20	0.14	36.68	-10	-3	115	158	2.1649	41.3937
ESBARC	89	-11.19	0.50	-6.12	0.29	0.09	26.17	-14	-2	116	158	2.1084	41.5005

ESCART	91	1.15	0.31	-2.57	1.49	0.29	21.08	1	-6	111	155	-0.9833	37.6
ESCORU	91	-186.72	0.26	-1.90	0.35	0.11	840.53	-21	-8	99	133	-4.8403	37.8453
ESDOBE	53	276.74	0.43	-2.89	2.23	0.11	412.92	-19	-2	108	138	-5.52	38.57
ESGIRO	91	-13.63	0.34	-3.02	0.10	0.11	39.25	-15	-1	116	158	2.8167	41.9833
ESGRAU	84	87.28	0.29	-2.09	1.08	0.14	406.97	-21	-11	109	146	-3.65	37.2
ESGUAD	91	13.27	0.30	-2.48	1.49	0.26	48.04	-16	-10	113	156	-3.1728	40.6297
ESLEON	84	2.18	0.56	-7.57	0.85	0.13	6.85	-15	0	126	171	-5.5833	42.5667
ESLLEI	75	-35.76	0.47	-4.68	0.16	0.16	86.49	-15	1	116	164	0.6333	41.6167
ESMADR	83	23.65	0.21	-1.25	1.82	0.29	64.98	-18	-15	111	149	-3.7167	40.4167
ESMALA	91	-77.92	0.59	-9.29	0.47	0.29	230.47	-2	-9	104	140	-4.3167	36.7833
ESOREU	91	25.16	0.10	-0.47	8.33	0.05	49.62	-26	2	106	168	-7.85	42.2833
ESPALE	91	8.40	0.35	-3.11	1.33	0.14	14.73	-15	-2	125	171	-4.5342	42.0025
ESPALM	63	-1.92	0.73	-11.02	0.78	0.30	35	-3	-9	122	152	2.65	39.6353
ESPLAS	58	2.24	0.22	-1	0.84	0.10	54.67	-17	3	113	147	-2.2833	39.9808
ESPONF	91	-0.06	0.17	-0.94	0.39	0.12	11.09	-14	1	126	174	-6.5833	42.55
ESSALA	91	96.06	-0.05	-0.21	10.03	0.11	178.45	-19	-8	113	158	-5.6633	40.9656
ESSEGO	84	5.47	0.16	-0.81	1.32	0.20	25.06	-15	-2	114	162	-4.1161	40.9381
ESSORI	84	2.81	0.28	-1.95	1.31	0.21	15.53	-15	-1	114	160	-2.4758	41.7622
ESTARR	89	-43.46	0.34	-2.99	0.08	0.10	107.42	-10	-1	115	158	1.25	41.1
ESTOLE	77	94.09	0.18	-0.96	2.06	0.22	239.18	-15	-13	116	140	-4.0267	39.8592
ESVALL	84	5.62	0.26	-1.77	1.39	0.17	16.22	-27	-1	114	165	-4.7306	41.6448
ESVIGO	91	0.27	0.28	-2.20	0.92	0.10	9.36	-21	3	109	170	-8.7167	42.2167
ESVILL	50	30.91	0.39	-2.28	4.01	0.18	51.80	-2	1	135	169	-3.9917	40.6228
ESZAFR	57	260.73	0.45	-3.31	1.51	0.18	474.91	-14	0	113	141	-6.4164	38.4258
ESZAMO	91	25.04	0.09	-0.40	2.88	0.10	53.07	-26	-11	114	159	-5.7486	41.5142

ESZARA	91	-11.92	0.78	-19.21	0.27	0.05	36.73	-17	-3	110	158	-0.8667	41.5167
FRAIXP	47	-14.78	0.05	-0.14	0.11	0.13	21.54	-4	3	128	166	5.4416	43.5352
FRAJAC	54	-210.84	0.42	-2.83	0.02	0.06	382.59	-8	2	129	163	8.7389	41.9376
FRAVIG	41	-10.01	0.51	-3.24	0.11	0.07	17.63	-6	0	128	163	4.8051	43.9203
FRBOUB	15	-3.87	0.78	-3.27	0.33	0	4.58	0	-1	141	162	5.2208	46.21
FRMARS	21	-19.20	0.26	-0.59	0.09	0.05	23.61	0	-1	135	160	5.3616	43.3784
FRMONP	41	-5.22	0.38	-1.83	0.35	0.20	9.43	-1	-2	128	158	4.4195	44.0506
FRNARB	27	-7.11	0.38	-1.32	0.39	0.22	12.78	-1	-5	140	159	3.0032	43.179
FRNIC2	26	-21.93	0.49	-1.95	0.17	0.19	38.76	-2	4	130	170	7.2788	43.7016
FRNIME	43	-24.06	0.39	-2.02	0.05	0.09	36.70	-6	3	128	162	4.3498	43.8331
FRROUS	18	-5.51	0.28	-0.58	0.24	0.11	7.92	-1	-4	140	162	4.8121	45.3706
FRTOUS	90	-14.67	-0.02	-0.06	0.06	0.06	30.45	-20	-20	113	161	1.4536	43.5592
GRTHES	91	1.76	0.37	-3.50	1.22	0.11	4.18	-5	20	106	170	22.9583	40.6439
HRSPLI	77	23.50	0.51	-5.63	1.25	0.38	43.68	0	8	119	163	16.4547	43.5108
HRZADA	33	21.49	0.02	-0.04	1.07	0.24	45.17	-4	8	130	160	15.2325	44.1127
ILJERU	66	-10.83	0.27	-1.55	0.49	0.14	34.84	-11	6	92	147	35.2244	31.7817
ILTELA	91	-10.89	0.30	-2.46	0.23	0.19	31.53	-2	32	92	171	34.803	32.1226
ITPARM	91	0.31	0.26	-1.87	1.12	0.13	2.61	-6	10	111	168	10.3333	44.7167
IT_BR1	91	-87.34	-0.03	-0.10	0.14	0.24	338.53	-32	5	102	159	17.9331	40.6167
IT_FG1	91	-11.61	0.49	-6.08	0.27	0.10	37.71	-29	1	101	165	15.55	41.45
IT_GE4	91	0.95	0.24	-1.70	1.01	0.19	4.18	2	0	109	165	8.88477	44.4114
IT_IM3	91	115.34	-0.12	-0.57	4.35	0.16	201.19	-35	-18	101	147	8.01028	43.8731
IT_NA2	84	3.01	0.49	-5.60	1.42	0.27	9.92	-3	1	125	163	14.2667	40.8667
IT_PG1	89	29.14	0.60	-9.25	1.93	0.16	51.79	-13	6	131	173	12.3944	43.1022
IT_PR1	91	0.19	0.24	-1.64	1.07	0.15	2.58	-7	10	110	168	10.3167	44.8042

IT_SP2	91	28.93	-0.24	-1.67	3.68	0.21	49.42	-37	-7	107	160	9.81917	44.1222
IT_SV4	91	-1.89	0.03	-0.11	0.49	0.15	13.91	-12	-12	114	162	8.4775	44.3119
TRGORU	91	23.15	0.50	-6.44	0.57	0.11	177.79	-8	27	129	176	29.0695	40.1943
MEDIAN model													
	N	Bias	Correl	p_value_lg	StdevRatio	Fac2	RMS	shift_5p	shift_95p	day_5p_m	day_95p_m	Longitude	Latitude
ESALCA	81	5.96	0.20	-1.11	1.24	0.12	50.60	-16	-17	114	146	-3.3667	40.4833
ESARAN	64	51.27	0.24	-1.22	4.12	0.05	148.78	-14	-26	114	133	-3.75	40.0333
ESAREN	90	28.18	0.25	-1.71	1.34	0.21	85.76	-16	5	113	163	-5.0832	40.2033
ESAVIL	91	17.99	0.23	-1.55	1.89	0.16	41.86	-6	-1	122	165	-4.6844	40.6572
ESBADA	91	95.30	0.36	-3.32	2.97	0.07	263.56	-9	-18	118	138	-6.9667	38.8833
ESBAR2	91	-17.95	0.34	-2.95	0.16	0.07	38.57	-10	-4	115	157	2.1649	41.3937
ESBARC	89	-12.66	0.40	-3.93	0.26	0.08	27.65	-9	-4	121	156	2.1084	41.5005
ESCART	91	-2.64	0.37	-3.52	1.12	0.22	16.83	1	-10	111	151	-0.9833	37.6
ESCORU	91	-260.85	0.10	-0.46	0.28	0.05	893.24	-21	-10	99	131	-4.8403	37.8453
ESDOBE	53	182.47	0.38	-2.32	2.23	0.06	363.99	-14	-5	113	135	-5.52	38.57
ESGIRO	91	-14.35	0.17	-0.96	0.07	0.08	40.21	-12	-1	119	158	2.8167	41.9833
ESGRAU	84	44.66	0.23	-1.44	0.98	0.10	394.70	-17	-15	113	142	-3.65	37.2
ESGUAD	91	3.75	0.24	-1.65	1.22	0.15	42.21	-15	-15	114	151	-3.1728	40.6297
ESLEON	84	-0.61	0.42	-4.24	0.33	0.07	6.77	-15	1	126	172	-5.5833	42.5667
ESLLEI	75	-39.48	0.34	-2.49	0.12	0.04	90.40	-2	-1	129	162	0.6333	41.6167
ESMADR	83	9.87	0.15	-0.73	1.53	0.19	55.49	-16	-17	113	147	-3.7167	40.4167
ESMALA	91	-96.70	0.52	-6.98	0.40	0.24	248.78	-2	-16	104	133	-4.3167	36.7833
ESOREU	91	13.47	0.12	-0.59	7.03	0.13	38.44	-23	-3	109	163	-7.85	42.2833
ESPALE	91	1.35	0.41	-4.26	0.68	0.13	8.55	-14	-9	126	164	-4.5342	42.0025

ESPALM	63	-13.80	0.75	-11.69	0.52	0.27	38.50	-3	-13	122	148	2.65	39.6353
ESPLAS	58	-7.67	0.21	-0.95	0.65	0.09	51.13	-16	2	114	146	-2.2833	39.9808
ESPONF	91	-1.22	0.12	-0.57	0.29	0.10	11.13	-13	1	127	174	-6.5833	42.55
ESSALA	91	55.97	-0.12	-0.58	8.09	0.12	134.84	-13	-22	119	144	-5.6633	40.9656
ESSEGO	84	0.67	0.07	-0.29	1.11	0.23	23.15	-11	-2	118	162	-4.1161	40.9381
ESSORI	84	-0.07	0.15	-0.79	0.90	0.08	13.38	-8	-4	121	157	-2.4758	41.7622
ESTARR	89	-45.91	0.26	-1.85	0.06	0.09	109.42	-10	-3	115	156	1.25	41.1
ESTOLE	77	67	0.10	-0.44	1.99	0.08	230.92	-15	-17	116	136	-4.0267	39.8592
ESVALL	84	0.26	0.10	-0.43	0.93	0.10	13.28	-26	-5	115	161	-4.7306	41.6448
ESVIGO	91	-1.20	0.31	-2.55	0.60	0.13	8.18	-22	1	108	168	-8.7167	42.2167
ESVILL	50	21.49	0.30	-1.50	3.29	0.24	40.92	-2	-1	135	167	-3.9917	40.6228
ESZAFR	57	148.69	0.45	-3.39	1.39	0.16	397.96	-10	-3	117	138	-6.4164	38.4258
ESZAMO	91	9.29	-0.05	-0.20	1.85	0.10	35.11	-18	-16	122	154	-5.7486	41.5142
ESZARA	91	-14.53	0.72	-15.27	0.19	0.02	40.21	-12	-15	115	146	-0.8667	41.5167
FRAIXP	47	-15.69	-0.02	-0.04	0.09	0.09	22.22	-4	-1	128	162	5.4416	43.5352
FRAJAC	54	-213.50	0.49	-3.77	0.01	0.04	384.96	-8	1	129	162	8.7389	41.9376
FRAVIG	41	-10.59	0.41	-2.07	0.07	0	18.28	-6	-14	128	149	4.8051	43.9203
FRBOUB	15	-4.32	0.75	-2.85	0.21	0	5.10	0	-1	141	162	5.2208	46.21
FRMARS	21	-20.21	0.28	-0.67	0.04	0	24.51	0	-1	135	160	5.3616	43.3784
FRMONP	41	-6.46	0.25	-0.95	0.25	0.17	10.44	-1	-3	128	157	4.4195	44.0506
FRNARB	27	-8.48	0.45	-1.73	0.13	0.07	13.81	-3	-5	138	159	3.0032	43.179
FRNIC2	26	-24.61	0.67	-3.74	0.10	0.12	40.47	-2	2	130	168	7.2788	43.7016
FRNIME	43	-25.19	0.38	-1.90	0.03	0.05	37.60	-6	0	128	159	4.3498	43.8331
FRROUS	18	-6.14	0.27	-0.55	0.08	0	8.46	-1	-4	140	162	4.8121	45.3706
FRTOUS	90	-15.08	-0.01	-0.03	0.02	0.02	30.60	-19	-18	114	163	1.4536	43.5592

GRTHES	91	0	0.27	-1.98	0.59	0.03	3.05	0	19	111	169	22.9583	40.6439
HRSPLI	77	7.54	0.55	-6.63	0.96	0.44	31.10	5	6	124	161	16.4547	43.5108
HRZADA	33	-4.24	-0.15	-0.39	0.94	0.21	40.52	-5	0	129	152	15.2325	44.1127
ILJERU	66	-12.81	0.18	-0.86	0.38	0.09	35.93	-11	-17	92	124	35.2244	31.7817
ILTELA	91	-12.22	0.27	-1.98	0.18	0.16	32.35	-2	15	92	154	34.803	32.1226
ITPARM	91	-0.45	0.27	-1.98	0.61	0.10	2.10	-10	6	107	164	10.3333	44.7167
IT_BR1	91	-112.74	-0.16	-0.88	0.08	0.14	346.56	-33	-2	101	152	17.9331	40.6167
IT_FG1	91	-16.22	0.40	-4.08	0.18	0.12	40.97	-29	-2	101	162	15.55	41.45
IT_GE4	91	-0.34	0.16	-0.85	0.73	0.12	3.77	2	-9	109	156	8.88477	44.4114
IT_IM3	91	23.33	-0.17	-0.95	1.68	0.05	78.76	-30	-27	106	138	8.01028	43.8731
IT_NA2	84	-1.16	0.49	-5.77	0.76	0.27	6.82	-3	-1	125	161	14.2667	40.8667
IT_PG1	89	16.78	0.59	-8.87	1.68	0.13	41.03	-9	-5	135	162	12.3944	43.1022
IT_PR1	91	-0.52	0.26	-1.95	0.57	0.12	2.10	-10	6	107	164	10.3167	44.8042
IT_SP2	91	9.78	-0.30	-2.46	2.31	0.02	29.31	-37	-25	107	142	9.81917	44.1222
IT_SV4	91	-5.27	0.02	-0.08	0.27	0.13	13.95	-14	-18	112	156	8.4775	44.3119
TRGORU	91	-15.91	0.58	-8.60	0.42	0.10	170.05	-8	21	129	170	29.0695	40.1943