

20200122_PSP4_ConsensusTarget

date	date	time	Tx(GONG)	Ty(GONG)	Tx(HMI)
2020-01-01	2020-01-01	00:00:00	-782.2456714588	-511.9338399941	-709.0586501744
2020-01-02	2020-01-02	00:00:00	-734.5378018196	-500.8602326864	-368.1362604275
2020-01-03	2020-01-03	00:00:00	-662.9806278048	-493.5541297492	-392.4784444214
2020-01-04	2020-01-04	00:00:00	-551.6082027759	-489.3403493115	-574.1905431435
2020-01-05	2020-01-05	00:00:00	-403.2858949869	-514.5337328563	-728.759972661
2020-01-06	2020-01-06	00:00:00	-428.56383745	863.9261453456	-820.0748610161
2020-01-07	2020-01-07	00:00:00	-386.5838381238	865.433579252	-803.7671713606
2020-01-08	2020-01-08	00:00:00	-329.8481690686	895.7615207517	-739.4648267825
2020-01-09	2020-01-09	00:00:00	-360.0511269255	891.3283254433	-684.262205506
2020-01-10	2020-01-10	00:00:00	-378.2241427267	890.6241273221	-503.2289316643
2020-01-11	2020-01-11	00:00:00	-400.3070577728	885.1062194676	-871.3697080771
2020-01-12	2020-01-12	00:00:00	-425.5911928636	869.6684041297	-855.9042471137
2020-01-13	2020-01-13	00:00:00	-478.7185619515	849.3093102721	-810.9390332857
2020-01-14	2020-01-14	00:00:00	-554.3139538018	791.576467156	-795.1896359085
2020-01-15	2020-01-15	00:00:00	-549.8193098132	773.7730701841	-692.0526875954
2020-01-16	2020-01-16	00:00:00	-455.5091616116	823.4560097305	-551.7427198961
2020-01-17	2020-01-17	00:00:00	-401.5945019273	861.1361449621	-534.4834517557
2020-01-18	2020-01-18	00:00:00	-364.208094547	872.1389036077	-2146.3700384777
2020-01-19	2020-01-19	00:00:00	-355.8429596561	892.324684289	-395.3371244948
2020-01-20	2020-01-20	00:00:00	-330.3501680319	882.4931237728	-403.3397148396
2020-01-21	2020-01-21	00:00:00	-494.3159689775	-828.5220726834	-409.6620001812
2020-01-22	2020-01-22	00:00:00	-755.4922811419	-525.3743048925	-445.055626723
2020-01-23	2020-01-23	00:00:00	-687.8098567836	-493.9467790659	-447.6816645144
2020-01-24	2020-01-24	00:00:00	-573.8439509552	-519.3916591985	-480.404293994
2020-01-25	2020-01-25	00:00:00	-409.3838444382	-694.7481979592	-461.6195890477
2020-01-26	2020-01-26	00:00:00	-310.7979655634	-707.1173416297	-391.6319729781
2020-01-27	2020-01-27	00:00:00	-183.4382576731	-704.9799636553	-272.1105426187
2020-01-28	2020-01-28	00:00:00	-7.4261365237	-685.3354876978	-95.9224114458
2020-01-29	2020-01-29	00:00:00	272.4757308598	-516.2801550603	131.6840596912
2020-01-30	2020-01-30	00:00:00	359.1649369857	-671.0697977112	297.0918164675
2020-01-31	2020-01-31	00:00:00	396.5458389726	-815.3312594211	405.7052221282
2020-02-01	2020-02-01	00:00:00	418.9520612583	-856.8451478596	nan
2020-02-02	2020-02-02	00:00:00	433.4888242163	-875.3668932325	nan
2020-02-03	2020-02-03	00:00:00	nan	nan	nan
2020-02-04	2020-02-04	00:00:00	nan	nan	nan
2020-02-05	2020-02-05	00:00:00	nan	nan	nan
2020-02-06	2020-02-06	00:00:00	nan	nan	nan
2020-02-07	2020-02-07	00:00:00	nan	nan	nan
2020-02-08	2020-02-08	00:00:00	nan	nan	nan
2020-02-09	2020-02-09	00:00:00	nan	nan	nan
2020-02-10	2020-02-10	00:00:00	nan	nan	nan
2020-02-11	2020-02-11	00:00:00	nan	nan	nan
2020-02-12	2020-02-12	00:00:00	nan	nan	nan
2020-02-13	2020-02-13	00:00:00	nan	nan	nan
2020-02-14	2020-02-14	00:00:00	nan	nan	nan
2020-02-15	2020-02-15	00:00:00	nan	nan	nan
2020-02-16	2020-02-16	00:00:00	nan	nan	nan
2020-02-17	2020-02-17	00:00:00	nan	nan	nan

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2020-02-18	2020-02-18	00:00:00	nan	nan	nan
2020-02-19	2020-02-19	00:00:00	nan	nan	nan
2020-02-20	2020-02-20	00:00:00	nan	nan	nan
2020-02-21	2020-02-21	00:00:00	nan	nan	nan
2020-02-22	2020-02-22	00:00:00	nan	nan	nan
2020-02-23	2020-02-23	00:00:00	nan	nan	nan
2020-02-24	2020-02-24	00:00:00	nan	nan	nan
2020-02-25	2020-02-25	00:00:00	nan	nan	nan
2020-02-26	2020-02-26	00:00:00	nan	nan	nan
2020-02-27	2020-02-27	00:00:00	nan	nan	nan

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Ty(HMI)	lon(GONG)	lat(GONG)	elon(GONG)	elat(GONG)	lon(HMI)
439.5910173506	359.3641404678	-32.5255053023	0	0	18.2408925844
846.1041885653	355.0616324533	-32.2476054162	0	0	13.6649299554
874.8306915002	351.6810551807	-32.1120447334	0	0	349.1089326187
781.6197623084	349.4741998743	-32.4473373068	0	0	320.710440889
625.6001822909	348.4434175041	-34.4233314377	0	0	306.2244511791
431.2076521575	303.7256848247	60.1340855519	0	0	297.4215595474
381.933245476	298.7280683932	60.3344295903	0	0	290.7781114103
398.9183771081	287.4737817489	64.3166403021	0	0	284.6476524477
481.5043843871	270.8682890698	63.2494820781	0	0	274.2017546805
644.2673687515	253.3271209389	63.2893804625	0	0	271.8999694307
-382.4227945218	233.2092129562	63.3781826816	0	0	223.2410549421
-335.1682818438	219.8957488204	61.5208108285	0	0	217.1553713678
-307.7215217358	202.2108540462	58.8312526013	0	0	211.3511187063
-321.7923856131	190.8433986493	52.5921146475	0	0	199.5045302713
-347.1764199022	185.8728963274	49.9909300231	0	0	196.052385487
-398.433814574	179.0332795766	54.9493189924	0	0	194.165910349
-494.518946652	167.5035106916	58.9388301663	0	0	179.2227217874
181.0712458155	157.9672038036	60.37897253	0	0	146.8731267958
893.8043638398	142.4085805461	62.4089790935	0	0	127.334416071
883.0167725424	136.5258139478	60.9997407989	0	0	116.1058616962
885.83841292	88.1687291105	-59.0849845273	0	0	103.0665016566
864.2487004137	84.6096762913	-34.4562644284	0	0	88.6430756717
856.3120857987	84.3097900845	-33.1798128236	0	0	79.5419616635
818.4645276422	82.0792396065	-35.6675673545	0	0	70.1859007949
799.2998722558	74.866266665	-49.4099890112	0	0	65.9707123282
793.579146449	71.4296489522	-50.9662877932	0	0	63.0343965018
799.9329746173	71.1137175856	-51.2414434189	0	0	62.8466315313
820.9597181544	74.635118676	-49.9343721044	0	0	66.3556876366
-787.0048383333	82.5545122788	-37.1812829135	0	0	77.0793921962
-824.3509891215	82.1448373283	-48.0594622599	0	0	88.5789828397
-850.0476651525	90.5564518369	-60.2215271734	0	0	102.8082478139
nan	97.383067381	-63.5653391771	0	0	117.5151545994
nan	100.6833222193	-63.752138671	0	0	114.1414636191
nan	98.7307913894	-63.3363619691	0	0	113.3200593536
nan	94.0730300019	-61.7503710798	0	0	109.2158809057
nan	88.4806463174	-59.5315001407	0	0	102.3492757203
nan	82.3561713254	-48.8683290952	0	0	93.4108661517
nan	84.9978708693	-33.4611749196	0	0	85.891805254
nan	83.6723756793	-33.8052118722	0	0	77.5134844561
nan	82.0334287243	-37.82263729	0	0	69.1820749336
nan	71.3766114486	-50.7120188368	0	0	62.8986940413
nan	63.9744114967	-56.2936451099	0	0	56.590822447
nan	47.9402670352	-60.8048278278	0	0	38.7156146809
nan	31.4121411231	-57.7283854134	0	0	33.007798943
nan	10.5477791928	-57.1835648867	0	0	18.7853658827
nan	359.2753741136	-32.5433175044	0	0	18.2500883986
nan	355.9723882813	-32.2771412694	0	0	17.7667463458
nan	352.8031160728	-32.1341750358	0	0	0.0758451268

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nan	350.4537972038	-32.415184068	0	0	331.5128968446
nan	349.0373895884	-32.7097368426	0	0	317.4874835041
nan	348.4127126863	-35.693905276	0	0	303.1291427049
nan	309.5517303763	1.9293986319	0	0	297.4361525794
nan	299.3199643847	59.8946456838	0	0	291.6499741354
nan	293.9578455675	63.0462259968	0	0	287.4545114151
nan	277.8212664626	63.7318681579	0	0	281.7248921395
nan	264.5947638043	63.7309179366	0	0	272.7294188973
nan	247.8433940744	63.9970410761	0	0	248.8758511386
nan	229.9571450013	62.7644880063	0	0	221.3468019689

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lat(HMI)	elon(HMI)	elat(HMI)
24.7950466453	0	0
57.3498395606	0	0
61.0256073499	0	0
51.7214052456	0	0
38.6298511331	0	0
24.867764784	0	0
21.1017333328	0	0
21.7508102911	0	0
26.9389767301	0	0
37.9301470279	0	0
-23.9439614423	0	0
-21.4292015575	0	0
-20.3056889676	0	0
-21.311944021	0	0
-23.6440513647	0	0
-27.4509708081	0	0
-33.8187955111	0	0
1.8153630601	0	0
63.9565223504	0	0
62.8096009826	0	0
62.482317147	0	0
60.1038151639	0	0
58.7187414944	0	0
54.422617041	0	0
51.2714316808	0	0
50.0744822186	0	0
49.9433431133	0	0
51.1238785443	0	0
-58.7126041126	0	0
-61.6920529522	0	0
-63.1960434133	0	0
-3.4153464061	0	0
62.4116436145	0	0
62.4251439215	0	0
63.0935819651	0	0
62.3273525756	0	0
61.2735436718	0	0
59.2025121424	0	0
58.1185016088	0	0
53.0555482999	0	0
50.2333262147	0	0
51.6791211779	0	0
52.8431956721	0	0
39.5425366145	0	0
24.8007062534	0	0
24.8399949063	0	0
26.8103267541	0	0
59.4502236248	0	0

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59.6377723231	0	0
49.9371813432	0	0
31.6454349595	0	0
24.6679699856	0	0
21.0692798495	0	0
20.7793855172	0	0
23.4662478717	0	0
28.7472518235	0	0
2.2496866594	0	0
-23.3822850685	0	0