

20200123\_PSP4\_ConsensusTarget

date	date	time	Tx(GONG)	Ty(GONG)	Tx(HMI)
2020-01-01	2020-01-01	00:00:00	-791.4060781891	-491.2161593256	-706.9140638909
2020-01-02	2020-01-02	00:00:00	-742.3936719527	-490.1774318216	-351.1548960966
2020-01-03	2020-01-03	00:00:00	-671.0209088691	-483.689837596	-387.7525221435
2020-01-04	2020-01-04	00:00:00	-580.6788233984	-469.3609761031	-571.3968556498
2020-01-05	2020-01-05	00:00:00	-435.5625420213	-473.492769911	-728.080508437
2020-01-06	2020-01-06	00:00:00	-517.7597186933	-718.0155326433	-818.6869068167
2020-01-07	2020-01-07	00:00:00	-2079.8663955578	203.9346012844	-804.52715955
2020-01-08	2020-01-08	00:00:00	-2099.4431337619	178.2501134419	-740.3290672563
2020-01-09	2020-01-09	00:00:00	-415.3076120755	-765.8593669497	-682.8097872143
2020-01-10	2020-01-10	00:00:00	-359.5761937941	-834.2934096555	-509.194450333
2020-01-11	2020-01-11	00:00:00	-482.0119232819	-819.8760748809	-848.8707559644
2020-01-12	2020-01-12	00:00:00	-865.5847683158	-358.3371971375	-858.2753045061
2020-01-13	2020-01-13	00:00:00	-808.5822976131	-348.8936685919	-815.1903104836
2020-01-14	2020-01-14	00:00:00	-770.1760668298	-385.1527083419	-774.8927435968
2020-01-15	2020-01-15	00:00:00	-445.4300334039	844.1654886762	-692.4658081378
2020-01-16	2020-01-16	00:00:00	-442.2857157111	853.1404459906	-558.6178451148
2020-01-17	2020-01-17	00:00:00	-434.5489792293	865.9900556964	-516.6123378086
2020-01-18	2020-01-18	00:00:00	-461.8126103855	847.7185618778	-326.0323440372
2020-01-19	2020-01-19	00:00:00	-466.5680358445	832.8060048025	-387.4483154458
2020-01-20	2020-01-20	00:00:00	-442.4065436162	841.9250239864	-387.696654299
2020-01-21	2020-01-21	00:00:00	-381.4753454491	874.1396871852	-370.3082231649
2020-01-22	2020-01-22	00:00:00	-345.7348218188	882.6509830954	-401.9738322387
2020-01-23	2020-01-23	00:00:00	-352.7956868433	888.8691305932	-427.1765603651
2020-01-24	2020-01-24	00:00:00	-298.0675761057	888.526785827	-444.4412227662
2020-01-25	2020-01-25	00:00:00	-229.5986780736	898.845912299	-466.0169021899
2020-01-26	2020-01-26	00:00:00	-154.460002413	910.7092617227	-399.3737034339
2020-01-27	2020-01-27	00:00:00	-55.1170405494	913.7516160154	-287.5696357966
2020-01-28	2020-01-28	00:00:00	82.0836844723	903.102173204	-22.8908211852
2020-01-29	2020-01-29	00:00:00	222.2315929235	893.2305706527	123.3097663741
2020-01-30	2020-01-30	00:00:00	404.2883756331	880.6063278158	340.1781356965
2020-01-31	2020-01-31	00:00:00	nan	nan	448.2459807217
2020-02-01	2020-02-01	00:00:00	nan	nan	454.5899945394
2020-02-02	2020-02-02	00:00:00	nan	nan	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)
442.312710453	0.2760410525	-31.0986132244	0	0	18.2144927464
848.2584018079	354.9580341917	-31.4727564216	0	0	15.496320225
873.3971908061	350.9968864551	-31.5241563355	0	0	350.0098605783
779.8411858325	348.0666290543	-30.8283431945	0	0	319.8776970927
624.3845050824	346.9103078384	-31.627471496	0	0	306.2800463589
435.6736204236	310.5586114169	-49.3819559349	0	0	297.573634023
385.7611314165	294.9948322729	2.7207045526	0	0	290.7622011032
405.3066169499	281.0051518983	2.1123691543	0	0	284.4915420626
484.2248160881	278.8674168676	-54.2587549169	0	0	273.9916774264
647.5847446062	262.4925119131	-61.2359719589	0	0	270.9392338207
-412.4243026206	229.1887798245	-58.4138631914	0	0	225.0031231087
-330.7931768979	212.8380850918	-22.7048047976	0	0	216.1522939635
-306.8347100614	209.4699567822	-22.7950550592	0	0	211.1315808113
-340.9573031458	199.659908367	-25.2958783147	0	0	200.855631141
-350.1489466163	188.495594799	57.5081875344	0	0	196.2142512655
-385.7559734681	172.7851769032	58.7068183436	0	0	193.7930381713
-506.9038565124	157.8194050351	60.0083738655	0	0	180.3421546164
-829.4545118416	142.0689886946	58.5127339485	0	0	162.4844088821
888.4458315607	134.5395660323	56.243221494	0	0	131.9479210254
888.1162967679	126.4078105365	56.2936122679	0	0	118.0635336823
898.3156132566	117.0890053857	59.7622336285	0	0	108.3009612548
885.4236414044	106.6557700151	61.3932384347	0	0	90.2709354906
871.6848082411	92.6075322403	61.4120503728	0	0	78.7390866124
851.1126525176	88.0639562664	61.596345378	0	0	68.6260794793
812.7706526589	84.5865976011	62.2076455534	0	0	63.5377255995
805.5388654467	81.3833753337	62.9745159585	0	0	60.7851486929
811.7463273832	81.4098954411	62.8687198092	0	0	60.5068051104
92.0715799119	85.4799028936	61.6690202025	0	0	74.7803080198
-804.3426251189	89.9639773498	60.8963816716	0	0	77.2442849007
-823.9138956874	106.4847729673	60.8363020907	0	0	94.7881330069
-837.2664809776	117.5524795506	59.6723375603	0	0	107.626478938
-859.0780369121	123.4796053547	55.6210934742	0	0	112.9829247475
nan	124.7557213679	55.7389467688	0	0	114.8685266032
nan	124.1972765947	55.7621271059	0	0	118.8777484263
nan	124.222085767	56.8836959345	0	0	113.0431077539
nan	117.1045933868	59.9888660124	0	0	107.4303057373
nan	110.227858945	60.2164678406	0	0	96.9082598987
nan	101.113072686	62.1650971352	0	0	85.7593997058
nan	91.3231416215	61.5983613719	0	0	76.4608547531
nan	86.9479091536	61.4146056686	0	0	66.1422490683
nan	80.2049332223	63.4368935622	0	0	60.6967648574
nan	64.4885421423	64.1111734079	0	0	54.4323995745
nan	48.8418970713	63.1616370897	0	0	35.0815834931
nan	38.2691533169	62.0087054768	0	0	32.3767307821
nan	355.7452301719	-36.2357646763	0	0	19.0906549463
nan	359.8941489668	-31.2919898933	0	0	18.2198810072
nan	355.9041225825	-31.5034067187	0	0	17.7708339561
nan	352.1661997872	-31.5818728402	0	0	0.2041864343

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nan	349.6814691183	-31.4558982422	0	0	331.8850936081
nan	347.5397417634	-30.9362891762	0	0	316.940648047
nan	347.1885326401	-32.8380445079	0	0	302.7529299161
nan	310.7168246458	-49.38075378	0	0	297.5763861533
nan	302.6975107984	-50.9196274083	0	0	291.6266773493
nan	285.5478956212	2.0528003498	0	0	287.2074617961
nan	282.1191413969	-49.5837952315	0	0	281.3650253483
nan	273.9719123995	-57.5168448885	0	0	272.5485686205
nan	253.3970026571	-61.6281225915	0	0	248.8701855356
nan	218.9982764602	-54.6013041833	0	0	220.1140666647

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lat(HMI)	elon(HMI)	elat(HMI)
25.0190714829	0	0
57.745238814	0	0
61.002173637	0	0
51.9531507121	0	0
38.5899339737	0	0
25.1118279781	0	0
21.2938816274	0	0
22.1209054106	0	0
27.2163071095	0	0
38.3344263571	0	0
-26.0112468068	0	0
-21.2012628016	0	0
-20.1914522099	0	0
-22.6421518845	0	0
-23.7566253138	0	0
-26.6857958962	0	0
-34.7251625329	0	0
-61.5897002158	0	0
63.3091892384	0	0
63.4454126755	0	0
63.9506325545	0	0
62.8370026583	0	0
60.5822943013	0	0
58.1068235825	0	0
52.5860441088	0	0
51.399273141	0	0
51.1993059948	0	0
-3.5484212333	0	0
-61.0161266694	0	0
-61.1715053898	0	0
-61.1643475443	0	0
-62.2348942489	0	0
-62.9966832848	0	0
-1.8011961675	0	0
62.9525637133	0	0
63.9063525057	0	0
63.6083183724	0	0
61.3715922539	0	0
60.0480673853	0	0
56.251017884	0	0
51.5370519545	0	0
52.4306784873	0	0
49.8797463661	0	0
39.1330689308	0	0
25.2999617556	0	0
25.0571189667	0	0
27.1606714251	0	0
58.7326264442	0	0

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59.8227033879	0	0
49.8693812194	0	0
32.3633003891	0	0
24.9286373402	0	0
21.2465553556	0	0
21.0750398587	0	0
23.7143432388	0	0
29.0466474294	0	0
2.1849610687	0	0
-23.7651592546	0	0