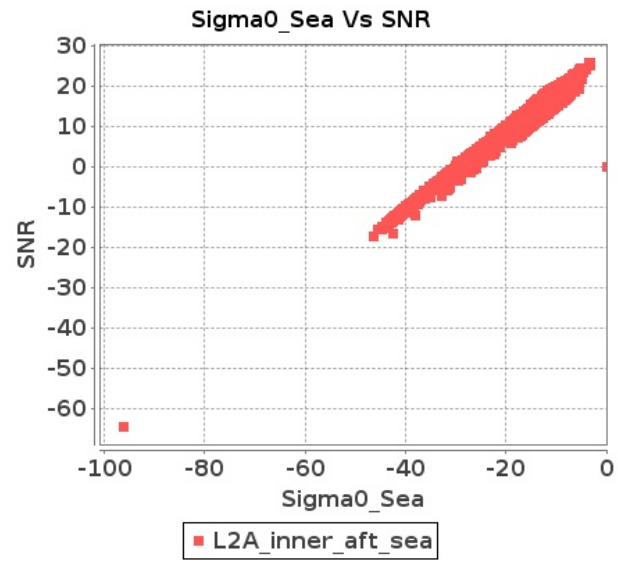


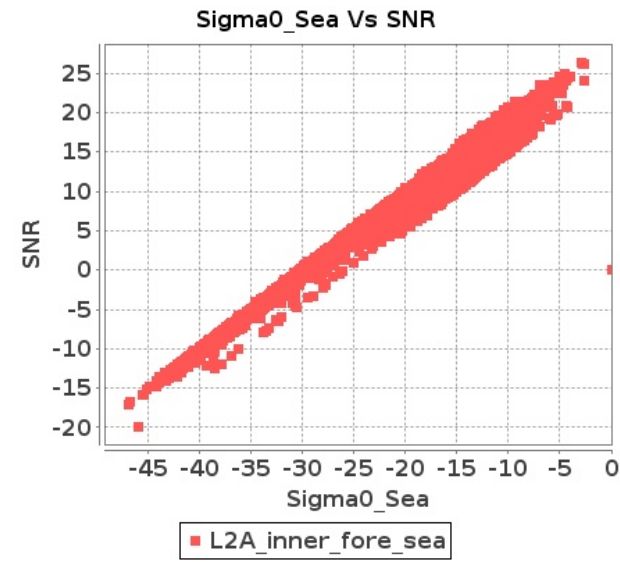
# SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 18-APR-2017 To 19-APR-2017

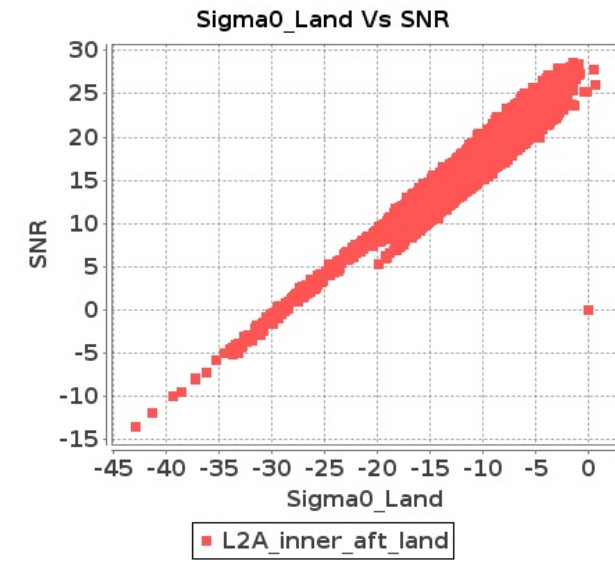
### Inner Sea Aft Sigma0VsSNR



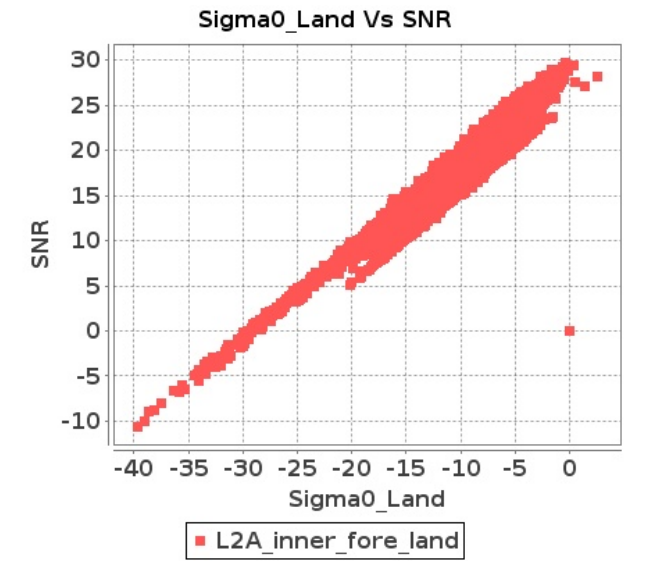
### Inner Sea Fore Sigma0VsSNR



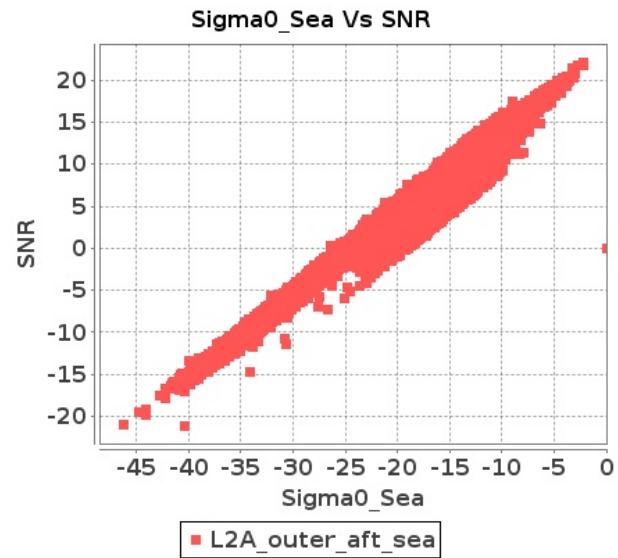
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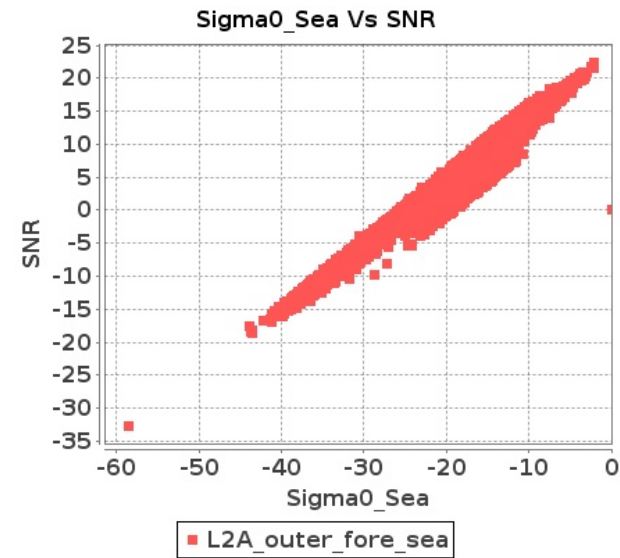
### Inner Land Fore Sigma0VsSNR



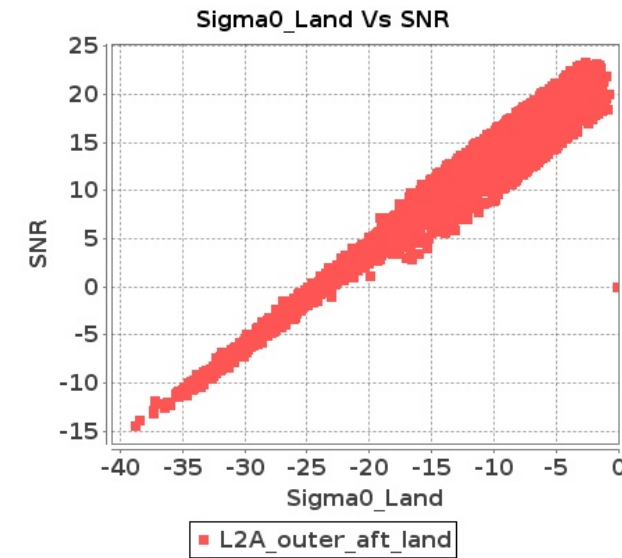
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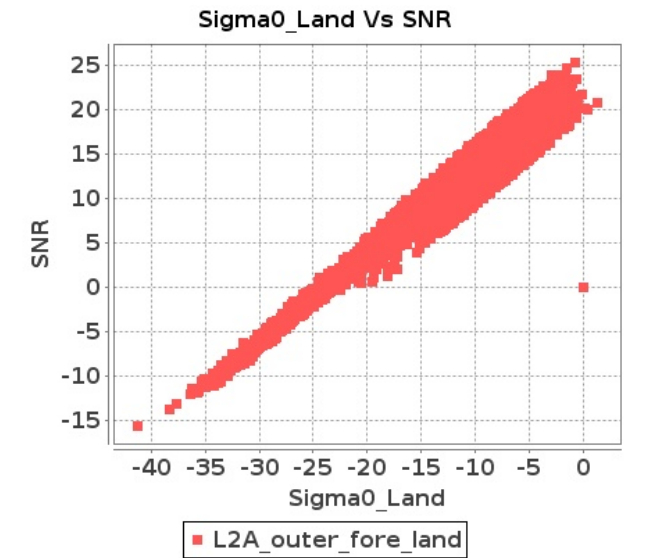
### Outer Sea Fore Sigma0VsSNR



### Outer Land Aft Sigma0VsSNR



### Outer Land Fore Sigma0VsSNR



# SCATSAT-1 Scatterometer Level-2A Data Quality Cycle wise Report

Report between 18-APR-2017 To 19-APR-2017

					SNR												Sigma0											
					Inner Aft			Inner Fore			Outer Aft			Outer Fore			Inner Aft			Inner Fore			Outer Aft			Outer Fore		
Sr No	Start Orbit	End Orbit	Dir.	Ver.	Min	Max	BadOcc (%)	Min	Max	BadOcc (%)	Min	Max	BadOcc (%)	Min	Max	BadOcc (%)	Min	Max	BadOcc (%)	Min	Max	BadOcc (%)	Min	Max	BadOcc (%)	Min	Max	BadOcc (%)
1	2955	2956	SN	1	0.0	41.373	0.721	0.0	47.532	0.95	0.0	42.064	0.858	0.0	40.629	1.478	0.0	40.704	0.702	0.0	43.317	0.685	0.0	41.346	0.679	0.0	37.474	0.743
2	2955	2956	SN	1	0.0	47.05	2.614	0.0	55.098	3.394	0.0	44.809	2.504	0.0	42.3	4.041	0.0	47.93	2.421	0.0	49.432	2.571	0.0	42.895	2.191	0.0	40.495	2.34
3	2956	2957	SN	1	0.0	48.413	7.055	0.0	52.638	8.001	0.0	46.023	5.447	0.0	45.072	7.142	0.0	50.407	7.021	0.0	53.488	7.119	0.0	45.726	5.461	0.0	41.254	5.556
4	2956	2957	NS	1	0.0	55.123	12.032	0.0	54.38	11.643	0.0	48.037	9.321	0.0	50.494	10.17	0.0	50.284	12.066	0.0	55.137	11.401	0.0	47.003	10.09	0.0	46.163	9.236
5	2956	2957	NS	1	0.0	48.72	4.036	0.0	45.691	3.78	0.0	46.809	2.873	0.0	48.266	3.303	0.0	50.896	4.174	0.0	47.555	3.558	0.0	45.725	3.206	0.0	45.503	2.793
6	2956	2957	SN	1	0.0	48.834	2.029	0.0	43.587	2.268	0.0	43.845	1.68	0.0	42.29	2.068	0.0	44.361	2.005	0.0	45.196	1.918	0.0	50.519	1.652	0.0	36.855	1.533
7	2957	2958	NS	1	0.0	46.028	6.644	0.0	50.991	6.087	0.0	41.449	5.188	0.0	48.348	6.214	0.0	46.602	6.819	0.0	50.58	5.686	0.0	45.807	5.75	0.0	45.956	5.231
8	2957	2958	SN	1	0.0	53.285	7.049	0.0	52.446	7.539	0.0	40.889	5.936	0.0	48.019	7.784	0.0	54.3	7.242	0.0	51.729	7.131	0.0	42.468	6.887	0.0	46.996	7.086
9	2957	2958	SN	1	0.0	42.946	2.279	0.0	49.651	2.209	0.0	42.819	2.133	0.0	40.838	2.718	0.0	40.22	2.472	0.0	47.632	2.121	0.0	42.375	2.514	0.0	42.18	2.371
10	2957	2958	NS	1	0.0	47.572	2.004	0.0	41.206	1.949	0.0	39.478	1.754	0.0	42.586	2.19	0.0	45.485	2.092	0.0	40.458	1.705	0.0	41.623	1.901	0.0	40.223	1.745
11	2958	2959	SN	1	0.0	46.795	5.988	0.0	43.547	7.255	0.0	41.43	5.905	0.0	45.191	8.025	0.0	46.458	6.039	0.0	42.681	6.347	0.0	41.29	6.16	0.0	44.357	6.125
12	2958	2959	SN	1	0.0	42.853	1.962	0.0	41.331	2.331	0.0	40.146	2.147	0.0	44.942	2.973	0.0	44.011	1.967	0.0	41.042	2.004	0.0	37.376	2.198	0.0	42.217	2.137
13	2958	2959	NS	1	0.0	45.745	7.263	0.0	44.789	8.348	0.0	42.818	6.525	0.0	44.636	7.661	0.0	48.453	7.73	0.0	46.304	7.997	0.0	40.013	7.699	0.0	40.62	7.105
14	2958	2959	NS	1	0.0	40.369	2.367	0.0	48.905	2.683	0.0	43.972	2.324	0.0	41.132	2.701	0.0	39.505	2.643	0.0	46.249	2.58	0.0	41.924	2.726	0.0	37.583	2.393
15	2959	2960	NS	1	0.0	48.376	1.18	0.0	41.805	1.322	0.0	42.708	1.153	0.0	37.928	1.473	0.0	46.484	1.105	0.0	42.267	1.078	0.0	44.173	1.1	0.0	36.285	1.051
16	2959	2960	SN	1	0.0	41.282	2.009	0.0	41.828	2.335	0.0	38.09	1.937	0.0	40.858	2.649	0.0	43.668	2.096	0.0	41.913	2.017	0.0	39.211	2.108	0.0	42.519	1.869
17	2959	2960	SN	1	0.0	44.495	6.525	0.0	46.059	7.291	0.0	42.04	5.501	0.0	40.997	7.25	0.0	44.403	6.65	0.0	44.798	6.484	0.0	40.186	6.025	0.0	39.502	5.585
18	2959	2960	NS	1	0.0	45.907	4.518	0.0	49.286	4.759	0.0	43.871	3.999	0.0	44.445	4.967	0.0	50.75	4.476	0.0	49.012	4.074	0.0	46.378	3.964	0.0	45.675	3.834
19	2960	2961	SN	1	0.0	43.935	1.845	0.0	41.2	2.385	0.0	40.081	1.876	0.0	39.8	2.801	0.0	46.336	1.813	0.0	37.521	2.072	0.0	42.086	2.085	0.0	39.994	2.028
20	2960	2961	NS	1	0.0	46.803	7.108	0.0	54.42	7.458	0.0	43.878	6.156	0.0	50.01	7.404	0.0	49.886	6.866	0.0	53.676	6.607	0.0	43.914	6.056	0.0	45.495	5.459
21	2960	2961	NS	1	0.0	47.436	2.034	0.0	43.502	2.142	0.0	43.109	1.777	0.0	42.461	2.418	0.0	49.001	1.965	0.0	42.748	1.796	0.0	40.636	1.827	0.0	42.212	1.697
22	2960	2961	SN	1	0.0	50.019	5.613	0.0	49.643	7.392	0.0	42.94	5.459	0.0	42.793	7.74	0.0	49.923	5.605	0.0	48.579	6.787	0.0	42.372	6.012	0.0	39.715	6.033
23	2961	2962	NS	1	0.0	51.178	2.0	0.0	44.458	2.133	0.0	43.873	1.556	0.0	43.608	2.522	0.0	49.027	1.849	0.0	44.134	1.697	0.0	39.9	1.428	0.0	39.219	1.56
24	2961	2962	NS	1	0.0	55.683	6.688	0.0	56.501	7.482	0.0	44.407	5.357	0.0	43.596	7.251	0.0	59.955	6.338	0.0	59.005	6.409	0.0	45.896	4.873	0.0	46.935	4.769
25	2961	2962	SN	1	0.0	50.63	6.017	0.0	55.963	7.763	0.0	47.827	5.615	0.0	52.527	8.459	0.0	50.682	6.059	0.0	50.655	6.426	0.0	48.302	5.579	0.0	53.266	5.827
26	2962	2963	NS	1	0.0	46.814	7.274	0.0	46.108	8.367	0.0	44.014	6.246	0.0	44.704	8.156	0.0	47.89	7.166	0.0	47.241	7.256	0.0	42.557	6.332	0.0	38.982	6.195
27	2962	2963	SN	1	0.0	55.601	10.162	0.0	50.095	11.105	0.0	46.529	8.088	0.0	48.8	9.905	0.0	55.666	10.162	0.0	50.577	10.406	0.0	48.703	8.499	0.0	44.435	8.397
28	2962	2963	SN	1	0.0	48.817	3.362	0.0	50.845	3.424	0.0	42.185	2.645	0.0	43.749	3.188	0.0	46.498	3.393	0.0	52.019	2.955	0.0	41.783	2.727	0.0	42.231	2.543
29	2962	2963	NS	1	0.0	39.459	2.188	0.0	40.774	2.746	0.0	42.957	2.055	0.0	39.269	3.164	0.0	38.251	2.111	0.0	40.984	2.155	0.0	40.028	2.039	0.0	35.342	2.112
30	2963	2964	NS	1	0.0	46.767	4.503	0.0	49.631	5.564	0.0	52.089	4.163	0.0	42.861	5.282	0.0	44.419	4.487	0.0	48.712	4.854	0.0	47.157	4.028	0.0	42.028	4.141
31	2963	2964	SN	1	0.0	52.04	7.641	0.0	53.149	8.267	0.0	47.858	6.416	0.0	49.303	7.6	0.0	54.341	7.741	0.0	56.518	7.864	0.0	49.553	6.842	0.0	47.941	6.653

Parameter Specifications	Parameters	SNR	Sigma0	Normal	Deviations
	Range	20.0	20.0	Alarming	High Errors

32	2963	2964	SN	1	0.0	50.056	2.438	0.0	50.923	2.588	0.0	47.711	2.038	0.0	45.768	2.408	0.0	52.824	2.514	0.0	49.826	2.38	0.0	43.874	2.23	0.0	43.07	2.0
33	2963	2964	NS	1	0.0	43.22	1.295	0.0	42.884	1.568	0.0	40.72	1.236	0.0	41.489	1.66	0.0	40.859	1.402	0.0	43.136	1.413	0.0	38.29	1.165	0.0	36.081	1.196
34	2964	2965	NS	1	0.0	42.348	2.538	0.0	49.881	2.705	0.0	45.242	2.089	0.0	39.546	2.812	0.0	42.07	2.55	0.0	49.389	2.256	0.0	47.094	2.245	0.0	37.274	1.88
35	2964	2965	NS	1	0.0	50.126	8.353	0.0	52.853	8.719	0.0	47.643	6.138	0.0	48.877	8.447	0.0	52.488	8.202	0.0	51.791	7.733	0.0	43.599	6.508	0.0	47.924	6.451
36	2964	2965	SN	1	0.0	41.48	5.077	0.0	46.294	5.702	0.0	45.047	4.821	0.0	43.765	5.927	0.0	41.089	5.027	0.0	45.535	5.223	0.0	45.437	4.948	0.0	40.107	4.682
37	2964	2965	SN	1	0.0	40.968	1.499	0.0	40.838	1.781	0.0	38.463	1.694	0.0	40.974	2.245	0.0	38.775	1.527	0.0	42.306	1.444	0.0	39.94	1.829	0.0	39.969	1.613
38	2965	2966	NS	1	0.0	51.288	1.983	0.0	39.572	2.149	0.0	39.88	1.837	0.0	42.272	2.341	0.0	51.627	2.056	0.0	40.01	1.967	0.0	37.377	1.902	0.0	40.521	1.715
39	2965	2966	NS	1	0.0	49.086	6.064	0.0	46.176	6.521	0.0	50.754	5.193	0.0	46.294	6.58	0.0	49.928	6.356	0.0	46.014	6.32	0.0	48.453	5.456	0.0	42.735	5.575
40	2970	2971	SN	1	0.0	45.692	2.807	0.0	42.682	3.063	0.0	43.087	2.652	0.0	48.531	3.695	0.0	43.683	2.757	0.0	38.044	2.524	0.0	43.668	2.475	0.0	49.982	2.57
41	2970	2971	NS	1	0.0	58.006	13.664	0.0	56.159	14.495	0.0	52.378	10.581	0.0	48.232	12.687	0.0	55.832	13.889	0.0	57.479	14.018	0.0	50.436	11.229	0.0	50.035	11.368
42	2970	2971	SN	1	0.0	42.379	0.774	0.0	45.364	0.805	0.0	45.372	0.785	0.0	39.006	1.129	0.0	40.429	0.698	0.0	41.782	0.627	0.0	40.345	0.743	0.0	38.11	0.742
43	2970	2971	NS	1	0.0	56.099	4.804	0.0	45.168	4.442	0.0	48.76	3.224	0.0	46.042	3.909	0.0	54.549	4.966	0.0	47.386	4.175	0.0	48.996	3.472	0.0	43.777	3.43
44	2971	2972	NS	1	0.0	53.815	7.847	0.0	58.328	8.099	0.0	52.125	7.115	0.0	48.556	7.767	0.0	53.643	8.248	0.0	59.74	7.873	0.0	47.703	8.097	0.0	47.09	6.875
45	2971	2972	SN	1	0.0	47.597	2.171	0.0	45.994	2.59	0.0	41.37	2.198	0.0	48.282	2.706	0.0	51.14	2.444	0.0	45.018	2.386	0.0	41.927	2.504	0.0	41.293	2.367
46	2971	2972	SN	1	0.0	48.93	6.767	0.0	45.791	7.961	0.0	42.179	5.901	0.0	50.118	7.71	0.0	49.239	7.111	0.0	46.683	7.725	0.0	44.307	7.099	0.0	47.22	6.863
47	2971	2972	NS	1	0.0	52.06	2.73	0.0	43.321	2.545	0.0	41.846	2.31	0.0	41.767	2.28	0.0	52.698	2.946	0.0	41.905	2.482	0.0	41.363	2.799	0.0	42.295	2.015
48	2972	2973	NS	1	0.0	55.318	5.699	0.0	44.735	6.767	0.0	43.848	4.761	0.0	41.457	6.599	0.0	54.713	5.641	0.0	47.703	6.208	0.0	43.875	5.429	0.0	41.824	5.338
49	2972	2973	SN	1	0.0	41.89	2.024	0.0	42.111	2.464	0.0	38.177	1.985	0.0	43.909	2.956	0.0	44.34	2.064	0.0	40.888	2.133	0.0	36.732	2.239	0.0	38.366	2.218
50	2972	2973	NS	1	0.0	43.588	2.041	0.0	42.049	2.099	0.0	35.326	1.608	0.0	41.268	2.364	0.0	44.09	2.051	0.0	42.327	1.914	0.0	37.306	1.631	0.0	39.919	1.797
51	2972	2973	SN	1	0.0	46.656	5.867	0.0	47.81	7.224	0.0	48.933	5.665	0.0	42.344	8.075	0.0	44.014	6.043	0.0	46.037	6.375	0.0	49.432	6.09	0.0	40.782	6.538
52	2973	2974	NS	1	0.0	49.247	9.292	0.0	56.153	9.918	0.0	44.64	7.229	0.0	47.414	8.936	0.0	50.37	9.618	0.0	55.077	9.993	0.0	44.73	8.112	0.0	46.262	8.387
53	2973	2974	SN	1	0.0	38.641	1.657	0.0	44.11	1.987	0.0	36.956	1.626	0.0	42.241	2.601	0.0	39.275	1.767	0.0	40.644	1.743	0.0	37.497	1.759	0.0	38.659	1.762
54	2973	2974	NS	1	0.0	49.266	2.802	0.0	45.838	3.041	0.0	43.406	2.259	0.0	42.586	2.825	0.0	47.186	2.888	0.0	43.351	2.905	0.0	39.643	2.655	0.0	40.096	2.526
55	2973	2974	SN	1	0.0	46.541	5.35	0.0	43.325	6.435	0.0	41.918	5.106	0.0	40.85	7.037	0.0	47.595	5.534	0.0	43.307	5.635	0.0	43.586	5.418	0.0	37.198	5.116
56	2974	2975	SN	1	0.0	42.758	2.153	0.0	43.038	2.563	0.0	45.157	2.163	0.0	39.438	3.125	0.0	41.185	2.129	0.0	41.312	2.225	0.0	41.524	2.282	0.0	36.064	2.159
57	2974	2975	SN	1	0.0	44.922	6.191	0.0	43.038	7.502	0.0	51.182	5.814	0.0	40.915	8.016	0.0	46.885	6.174	0.0	41.756	6.694	0.0	52.019	6.303	0.0	39.51	6.21
58	2974	2975	NS	1	0.0	50.916	1.388	0.0	44.094	1.379	0.0	40.466	1.242	0.0	41.894	1.436	0.0	48.224	1.405	0.0	45.422	1.272	0.0	38.165	1.28	0.0	37.848	1.041
59	2974	2975	NS	1	0.0	50.513	4.455	0.0	55.514	4.981	0.0	41.624	3.942	0.0	45.507	4.925	0.0	53.122	4.522	0.0	55.73	4.697	0.0	40.444	4.17	0.0	44.479	3.692
60	2975	2976	NS	1	0.0	42.541	1.926	0.0	51.835	2.063	0.0	43.646	1.815	0.0	43.175	2.22	0.0	40.259	1.701	0.0	51.237	1.6	0.0	43.15	1.685	0.0	37.542	1.32
61	2975	2976	NS	1	0.0	46.005	6.579	0.0	51.34	6.786	0.0	48.386	5.714	0.0	47.722	7.199	0.0	46.317	5.943	0.0	51.779	5.524	0.0	45.175	5.408	0.0	44.526	4.44
62	2975	2976	SN	1	0.0	48.497	4.966	0.0	53.311	6.423	0.0	40.917	4.333	0.0	43.141	7.029	0.0	45.773	4.547	0.0	52.826	5.122	0.0	41.927	4.241	0.0	38.127	4.382
63	2975	2976	SN	1	0.0	43.243	1.491	0.0	48.577	2.103	0.0	36.819	1.504	0.0	42.317	2.569	0.0	41.759	1.402	0.0	48.94	1.622	0.0	37.101	1.445	0.0	36.8	1.439
64	2976	2977	SN	1	0.0	50.489	8.638	0.0	52.162	8.82	0.0	47.494	6.579	0.0	45.657	8.07	0.0	50.355	8.845	0.0	52.145	8.28	0.0	50.414	7.274	0.0	44.524	6.86
65	2976	2977	NS	1	0.0	50.149	8.274	0.0	54.354	9.146	0.0	40.96	6.333	0.0	48.147	8.624	0.0	47.922	8.291	0.0	51.092	8.252	0.0	44.023	6.34	0.0	47.922	6.45
66	2976	2977	NS	1	0.0	52.36	2.456	0.0	45.964	2.865	0.0	39.498	1.949	0.0	44.289	2.9	0.0	47.632	2.416	0.0	44.788	2.423	0.0	42.589	2.106	0.0	38.114	2.082
67	2976	2977	SN	1	0.0	47.265	2.599	0.0	45.032	2.698	0.0	42.853	2.101	0.0	44.472	2.698	0.0	46.534	2.671	0.0	47.032	2.458	0.0	44.539	2.287	0.0	41.185	2.127

Parameter Specifications	Parameters Range	SNR	Sigma0	Normal	Deviations
		20.0	20.0	<span style="color: green;">■</span>	<span style="color: yellow;">■</span>
				<span style="color: orange;">■</span> Alarming	<span style="color: red;">■</span> High Errors

68	2977	2978	NS	1	0.0	40.251	3.042	0.0	43.251	4.135	0.0	44.882	2.91	0.0	38.517	4.757	0.0	41.998	2.716	0.0	41.691	3.278	0.0	47.487	2.803	0.0	39.413	3.059
69	2977	2978	SN	1	0.0	54.261	10.632	0.0	56.535	14.401	0.0	49.382	5.453	0.0	50.489	12.113	0.0	51.598	11.039	0.0	54.454	14.08	0.0	47.458	5.84	0.0	51.179	11.305
70	2977	2978	NS	1	0.0	34.487	0.9	0.0	40.304	1.247	0.0	40.782	1.004	0.0	42.668	1.654	0.0	33.263	0.805	0.0	41.333	0.895	0.0	42.254	0.917	0.0	41.398	0.987
71	2977	2978	SN	1	0.0	45.797	3.398	0.0	54.031	4.385	0.0	44.594	1.729	0.0	48.908	3.598	0.0	45.98	3.539	0.0	52.459	4.123	0.0	46.838	1.786	0.0	42.571	3.164
72	2978	2979	NS	1	0.0	48.673	1.988	0.0	39.291	2.12	0.0	36.905	1.802	0.0	41.718	2.501	0.0	47.553	1.999	0.0	40.033	1.919	0.0	38.876	1.885	0.0	40.431	1.829
73	2978	2979	SN	1	0.0	56.75	7.528	0.0	50.721	8.27	0.0	47.247	5.593	0.0	47.32	6.952	0.0	55.79	7.763	0.0	53.112	7.959	0.0	46.369	6.274	0.0	48.786	6.518
74	2978	2979	SN	1	0.0	47.875	2.335	0.0	43.714	2.494	0.0	39.469	1.763	0.0	44.634	2.516	0.0	47.014	2.544	0.0	42.401	2.358	0.0	39.19	2.052	0.0	41.253	2.078
75	2978	2979	NS	1	0.0	52.983	6.344	0.0	52.757	6.915	0.0	43.958	5.578	0.0	48.933	7.419	0.0	50.362	6.503	0.0	55.418	6.129	0.0	44.668	6.055	0.0	50.164	5.666
76	2979	2980	NS	1	0.0	41.664	2.413	0.0	50.553	2.911	0.0	44.693	2.206	0.0	42.878	2.819	0.0	42.856	2.522	0.0	49.229	2.85	0.0	43.497	2.611	0.0	41.007	2.38
77	2979	2980	NS	1	0.0	54.007	7.623	0.0	51.26	9.137	0.0	42.051	6.579	0.0	40.657	8.348	0.0	57.166	8.124	0.0	47.0	8.602	0.0	43.689	7.468	0.0	40.607	7.4

Parameter Specifications	Parameters	SNR	Sigma0
	Range	20.0	20.0

■ Normal      ■ Deviations  
■ Alarming      ■ High Errors

Sr No	Start Orbit	End Orbit	Dir.	Ver.	Azimuth Angle												Incidence Angle											
					Inner Aft			Inner Fore			Outer Aft			Outer Fore			Inner Aft			Inner Fore			Outer Aft			Outer Fore		
					Min	Max	BadOcc (%)	Min	Max	BadOcc (%)	Min	Max	BadOcc (%)	Min	Max	BadOcc (%)	Min	Max	BadOcc (%)	Min	Max	BadOcc (%)	Min	Max	BadOcc (%)	Min	Max	BadOcc (%)
1	2955	2956	SN	1	0.0	24.751	12.899	0.0	25.441	13.387	0.0	186.506	4.676	0.0	71.028	5.15	0.0	1.897	0.0	0.0	1.944	0.0	0.0	2.212	0.0	0.0	2.263	0.0
2	2955	2956	SN	1	0.0	32.009	24.696	0.0	37.714	24.55	0.0	211.313	15.106	0.0	72.202	14.84	0.0	1.909	0.0	0.0	1.931	0.0	0.0	2.218	0.0	0.0	2.279	0.0
3	2956	2957	SN	1	0.0	31.099	24.675	0.0	37.775	24.492	0.0	197.409	15.106	0.0	73.498	14.817	0.0	1.912	0.0	0.0	1.929	0.0	0.0	2.22	0.0	0.0	2.258	0.0
4	2956	2957	NS	1	0.0	33.961	23.881	0.0	31.54	23.87	0.0	356.002	11.961	0.0	38.208	12.058	0.0	1.905	0.0	0.0	1.89	0.0	0.0	2.192	0.0	0.0	2.167	0.0
5	2956	2957	NS	1	0.0	26.77	13.139	0.0	25.821	13.534	0.0	354.165	2.632	0.0	21.696	2.505	0.0	1.892	0.0	0.0	1.871	0.0	0.0	2.182	0.0	0.0	2.166	0.0
6	2956	2957	SN	1	0.0	24.735	12.903	0.0	25.446	13.373	0.0	206.217	4.684	0.0	72.18	5.172	0.0	1.897	0.0	0.0	1.943	0.0	0.0	2.214	0.0	0.0	2.262	0.0
7	2957	2958	NS	1	0.0	33.972	23.996	0.0	34.154	23.804	0.0	355.847	11.848	0.0	37.392	11.901	0.0	1.907	0.0	0.0	1.889	0.0	0.0	2.19	0.0	0.0	2.166	0.0
8	2957	2958	SN	1	0.0	28.97	24.617	0.0	33.719	24.588	0.0	197.067	15.156	0.0	74.48	14.999	0.0	1.909	0.0	0.0	1.939	0.0	0.0	2.217	0.0	0.0	2.276	0.0
9	2957	2958	SN	1	0.0	24.735	12.843	0.0	25.441	13.409	0.0	190.929	4.697	0.0	72.947	5.227	0.0	1.894	0.0	0.0	1.941	0.0	0.0	2.211	0.0	0.0	2.264	0.0
10	2957	2958	NS	1	0.0	26.792	13.135	0.0	25.81	13.511	0.0	354.358	2.666	0.0	19.97	2.451	0.0	1.892	0.0	0.0	1.869	0.0	0.0	2.181	0.0	0.0	2.165	0.0
11	2958	2959	SN	1	0.0	31.469	24.665	0.0	33.33	24.472	0.0	196.488	15.248	0.0	66.241	14.834	0.0	1.909	0.0	0.0	1.939	0.0	0.0	2.219	0.0	0.0	2.275	0.0
12	2958	2959	SN	1	0.0	24.746	12.879	0.0	25.446	13.404	0.0	200.321	4.692	0.0	279.71	5.209	0.0	1.894	0.0	0.0	1.95	0.0	0.0	2.214	0.0	0.0	2.262	0.0
13	2958	2959	NS	1	0.0	33.716	24.109	0.0	34.094	23.757	0.0	355.825	11.777	0.0	37.541	11.851	0.0	1.907	0.0	0.0	1.889	0.0	0.0	2.192	0.0	0.0	2.166	0.0
14	2958	2959	NS	1	0.0	26.797	13.114	0.0	25.821	13.459	0.0	288.493	2.692	0.0	29.582	2.443	0.0	1.892	0.0	0.0	1.87	0.0	0.0	2.183	0.0	0.0	2.166	0.0
15	2959	2960	NS	1	0.0	230.464	13.088	0.0	25.821	13.486	0.0	298.006	2.703	0.0	29.875	2.435	0.0	1.893	0.0	0.0	1.874	0.0	0.0	2.181	0.0	0.0	2.166	0.0
16	2959	2960	SN	1	0.0	24.762	12.877	0.0	25.446	13.432	0.0	217.622	4.733	0.0	279.098	5.234	0.0	1.898	0.0	0.0	1.941	0.0	0.0	2.214	0.0	0.0	2.259	0.0
17	2959	2960	SN	1	0.0	31.127	24.65	0.0	33.347	24.523	0.0	219.398	15.234	0.0	192.702	14.805	0.0	1.911	0.0	0.0	1.94	0.0	0.0	2.221	0.0	0.0	2.266	0.0
18	2959	2960	NS	1	0.0	164.819	24.05	0.0	31.546	23.804	0.0	356.029	11.77	0.0	37.8	11.886	0.0	1.907	0.0	0.0	1.89	0.0	0.0	2.189	0.0	0.0	2.166	0.0
19	2960	2961	SN	1	0.0	24.762	12.906	0.0	25.435	13.428	0.0	189.324	4.68	0.0	86.602	5.225	0.0	1.897	0.0	0.0	1.94	0.0	0.0	2.213	0.0	0.0	2.26	0.0
20	2960	2961	NS	1	0.0	33.661	24.14	0.0	31.573	23.87	0.0	356.206	11.756	0.0	38.566	11.95	0.0	1.906	0.0	0.0	1.892	0.0	0.0	2.189	0.0	0.0	2.167	0.0
21	2960	2961	NS	1	0.0	26.797	13.075	0.0	25.816	13.502	0.0	354.524	2.685	0.0	30.272	2.451	0.0	1.893	0.0	0.0	1.876	0.0	0.0	2.181	0.0	0.0	2.166	0.0
22	2960	2961	SN	1	0.0	31.033	24.648	0.0	33.358	24.506	0.0	172.702	15.235	0.0	68.154	14.869	0.0	1.91	0.0	0.0	1.935	0.0	0.0	2.219	0.0	0.0	2.265	0.0
23	2961	2962	NS	1	0.0	26.797	13.086	0.0	25.832	13.513	0.0	341.359	2.636	0.0	48.438	2.477	0.0	1.892	0.0	0.0	1.873	0.0	0.0	2.181	0.0	0.0	2.165	0.0
24	2961	2962	NS	1	0.0	33.956	23.873	0.0	31.546	23.918	0.0	349.549	11.931	0.0	41.258	12.034	0.0	1.906	0.0	0.0	1.889	0.0	0.0	2.19	0.0	0.0	2.167	0.0
25	2961	2962	SN	1	0.0	31.016	24.665	0.0	33.413	24.508	0.0	186.779	15.093	0.0	86.85	14.869	0.0	1.909	0.0	0.0	1.954	0.0	0.0	2.219	0.0	0.0	2.263	0.0
26	2962	2963	NS	1	0.0	33.65	23.827	0.0	32.059	23.957	0.0	355.858	11.945	0.0	46.161	12.062	0.0	1.906	0.0	0.0	1.891	0.0	0.0	2.19	0.0	0.0	2.167	0.0
27	2962	2963	SN	1	0.0	30.851	24.73	0.0	38.078	24.556	0.0	160.382	15.035	0.0	62.06	14.83	0.0	1.911	0.0	0.0	1.929	0.0	0.0	2.218	0.0	0.0	2.265	0.0
28	2962	2963	SN	1	0.0	24.768	12.961	0.0	25.435	13.353	0.0	180.815	4.665	0.0	152.785	5.195	0.0	1.896	0.0	0.0	1.94	0.0	0.0	2.212	0.0	0.0	2.258	0.0
29	2962	2963	NS	1	0.0	26.775	13.144	0.0	25.827	13.515	0.0	344.139	2.569	0.0	63.737	2.501	0.0	1.892	0.0	0.0	1.87	0.0	0.0	2.181	0.0	0.0	2.165	0.0
30	2963	2964	NS	1	0.0	34.185	23.92	0.0	31.573	23.995	0.0	354.827	12.054	0.0	48.46	12.046	0.0	1.907	0.0	0.0	1.89	0.0	0.0	2.19	0.0	0.0	2.168	0.0
31	2963	2964	SN	1	0.0	30.89	24.657	0.0	33.424	24.525	0.0	352.511	15.016	0.0	65.248	14.879	0.0	1.91	0.0	0.0	1.948	0.0	0.0	2.22	0.0	0.0	2.28	0.0

Parameter Specifications	Parameters	Azi.Angle	Inci.Angle	Normal	Deviations
	Range	10.0	3.0	Alarming	High Errors



32	2963	2964	SN	1	0.0	24.751	13.017	0.0	25.435	13.355	0.0	194.122	4.627	0.0	74.623	5.196	0.0	1.896	0.0	0.0	1.942	0.0	0.0	2.211	0.0	0.0	2.26	0.0
33	2963	2964	NS	1	0.0	26.781	13.159	0.0	25.827	13.511	0.0	344.845	2.56	0.0	64.906	2.494	0.0	1.893	0.0	0.0	1.87	0.0	0.0	2.181	0.0	0.0	2.167	0.0
34	2964	2965	NS	1	0.0	26.792	13.146	0.0	25.821	13.493	0.0	345.303	2.549	0.0	65.502	2.524	0.0	1.892	0.0	0.0	1.871	0.0	0.0	2.181	0.0	0.0	2.165	0.0
35	2964	2965	NS	1	0.0	33.6	23.998	0.0	32.163	23.984	0.0	354.981	11.864	0.0	47.015	11.997	0.0	1.906	0.0	0.0	1.89	0.0	0.0	2.191	0.0	0.0	2.17	0.0
36	2964	2965	SN	1	0.0	30.928	24.648	0.0	33.468	24.533	0.0	352.599	15.05	0.0	65.744	14.942	0.0	1.91	0.0	0.0	1.964	0.0	0.0	2.219	0.0	0.0	2.277	0.0
37	2964	2965	SN	1	0.0	24.746	13.085	0.0	25.457	13.379	0.0	256.795	4.66	0.0	75.208	5.173	0.0	1.896	0.0	0.0	1.942	0.0	0.0	2.212	0.0	0.0	2.26	0.0
38	2965	2966	NS	1	0.0	26.77	13.184	0.0	25.827	13.479	0.0	345.501	2.538	0.0	65.717	2.522	0.0	1.892	0.0	0.0	1.875	0.0	0.0	2.181	0.0	0.0	2.165	0.0
39	2965	2966	NS	1	0.0	33.683	23.906	0.0	35.335	24.018	0.0	355.009	11.909	0.0	49.574	12.027	0.0	1.906	0.0	0.0	1.891	0.0	0.0	2.19	0.0	0.0	2.169	0.0
40	2970	2971	SN	1	0.0	30.851	24.671	0.0	33.501	24.535	0.0	186.291	15.068	0.0	72.484	14.958	0.0	1.91	0.0	0.0	1.95	0.0	0.0	2.218	0.0	0.0	2.279	0.0
41	2970	2971	NS	1	0.0	33.755	24.026	0.0	31.369	24.094	0.0	356.404	12.061	0.0	36.757	12.095	0.0	1.907	0.0	0.0	1.892	0.0	0.0	2.19	0.0	0.0	2.168	0.0
42	2970	2971	SN	1	0.0	24.751	13.034	0.0	25.463	13.338	0.0	211.726	4.667	0.0	71.397	5.126	0.0	1.894	0.0	0.0	1.942	0.0	0.0	2.211	0.0	0.0	2.262	0.0
43	2970	2971	NS	1	0.0	26.742	13.197	0.0	25.832	13.625	0.0	354.038	2.555	0.0	68.309	2.573	0.0	1.893	0.0	0.0	1.872	0.0	0.0	2.181	0.0	0.0	2.166	0.0
44	2971	2972	NS	1	0.0	33.749	23.932	0.0	31.507	24.004	0.0	356.393	11.954	0.0	36.995	12.039	0.0	1.908	0.0	0.0	1.892	0.0	0.0	2.189	0.0	0.0	2.169	0.0
45	2971	2972	SN	1	0.0	24.74	13.029	0.0	25.463	13.36	0.0	211.191	4.654	0.0	76.124	5.157	0.0	1.894	0.0	0.0	1.94	0.0	0.0	2.21	0.0	0.0	2.26	0.0
46	2971	2972	SN	1	0.0	30.928	24.727	0.0	33.501	24.59	0.0	185.232	15.007	0.0	68.287	14.937	0.0	1.909	0.0	0.0	1.968	0.0	0.0	2.218	0.0	0.0	2.277	0.0
47	2971	2972	NS	1	0.0	26.731	13.166	0.0	25.832	13.592	0.0	355.108	2.518	0.0	69.158	2.548	0.0	1.893	0.0	0.0	1.873	0.0	0.0	2.181	0.0	0.0	2.166	0.0
48	2972	2973	NS	1	0.0	33.727	23.891	0.0	31.419	23.937	0.0	355.086	11.905	0.0	37.27	12.037	0.0	1.908	0.0	0.0	1.89	0.0	0.0	2.191	0.0	0.0	2.166	0.0
49	2972	2973	SN	1	0.0	24.757	13.008	0.0	25.452	13.354	0.0	188.767	4.687	0.0	67.823	5.182	0.0	1.896	0.0	0.0	1.94	0.0	0.0	2.212	0.0	0.0	2.263	0.0
50	2972	2973	NS	1	0.0	26.775	13.177	0.0	25.827	13.542	0.0	340.681	2.536	0.0	21.156	2.492	0.0	1.895	0.0	0.0	1.874	0.0	0.0	2.182	0.0	0.0	2.166	0.0
51	2972	2973	SN	1	0.0	30.95	24.707	0.0	33.358	24.59	0.0	195.181	15.037	0.0	65.645	14.834	0.0	1.909	0.0	0.0	1.935	0.0	0.0	2.219	0.0	0.0	2.269	0.0
52	2973	2974	NS	1	0.0	33.733	23.932	0.0	31.452	23.905	0.0	356.498	11.854	0.0	37.552	11.901	0.0	1.906	0.0	0.0	1.89	0.0	0.0	2.188	0.0	0.0	2.169	0.0
53	2973	2974	SN	1	0.0	24.751	13.039	0.0	25.452	13.386	0.0	246.565	4.66	0.0	73.89	5.194	0.0	1.894	0.0	0.0	1.941	0.0	0.0	2.212	0.0	0.0	2.261	0.0
54	2973	2974	NS	1	0.0	26.797	13.182	0.0	25.832	13.506	0.0	291.096	2.538	0.0	71.204	2.5	0.0	1.893	0.0	0.0	1.875	0.0	0.0	2.179	0.0	0.0	2.165	0.0
55	2973	2974	SN	1	0.0	33.548	24.66	0.0	164.372	24.586	0.0	205.919	15.099	0.0	75.451	14.992	0.0	1.911	0.0	0.0	1.977	0.0	0.0	2.217	0.0	0.0	2.284	0.0
56	2974	2975	SN	1	0.0	24.773	13.011	0.0	25.468	13.433	0.0	201.601	4.7	0.0	277.895	5.286	0.0	1.895	0.0	0.0	1.939	0.0	0.0	2.212	0.0	0.0	2.256	0.0
57	2974	2975	SN	1	0.0	29.864	24.662	0.0	33.269	24.615	0.0	215.565	15.102	0.0	66.847	14.989	0.0	1.911	0.0	0.0	1.946	0.0	0.0	2.219	0.0	0.0	2.263	0.0
58	2974	2975	NS	1	0.0	26.764	13.18	0.0	25.827	13.519	0.0	293.081	2.534	0.0	29.858	2.501	0.0	1.893	0.0	0.0	1.876	0.0	0.0	2.18	0.0	0.0	2.166	0.0
59	2974	2975	NS	1	0.0	33.733	23.895	0.0	31.463	23.928	0.0	356.537	11.911	0.0	38.219	12.002	0.0	1.907	0.0	0.0	1.892	0.0	0.0	2.19	0.0	0.0	2.166	0.0
60	2975	2976	NS	1	0.0	26.77	13.202	0.0	25.827	13.521	0.0	339.479	2.534	0.0	29.941	2.53	0.0	1.894	0.0	0.0	1.875	0.0	0.0	2.18	0.0	0.0	2.165	0.0
61	2975	2976	NS	1	0.0	33.644	23.94	0.0	31.077	23.978	0.0	356.603	11.897	0.0	38.721	12.088	0.0	1.907	0.0	0.0	1.891	0.0	0.0	2.189	0.0	0.0	2.169	0.0
62	2975	2976	SN	1	0.0	29.753	24.681	0.0	33.225	24.638	0.0	96.11	15.104	0.0	85.069	14.965	0.0	1.913	0.0	0.0	1.964	0.0	0.0	2.225	0.0	0.0	2.276	0.0
63	2975	2976	SN	1	0.0	24.762	13.007	0.0	25.463	13.393	0.0	202.814	4.668	0.0	89.696	5.247	0.0	1.892	0.0	0.0	1.949	0.0	0.0	2.22	0.0	0.0	2.269	0.0
64	2976	2977	SN	1	0.0	30.834	24.877	0.0	31.138	24.342	0.0	160.012	15.396	0.0	29.337	14.845	0.0	1.911	0.0	0.0	1.919	0.0	0.0	2.219	0.0	0.0	2.26	0.0
65	2976	2977	NS	1	0.0	33.749	23.861	0.0	31.088	24.128	0.0	357.678	12.096	0.0	41.015	12.153	0.0	1.907	0.0	0.0	1.892	0.0	0.0	2.188	0.0	0.0	2.169	0.0
66	2976	2977	NS	1	0.0	26.753	13.194	0.0	25.832	13.57	0.0	354.722	2.521	0.0	48.344	2.562	0.0	1.893	0.0	0.0	1.879	0.0	0.0	2.179	0.0	0.0	2.165	0.0
67	2976	2977	SN	1	0.0	24.773	13.06	0.0	25.435	13.084	0.0	177.804	4.824	0.0	17.449	5.118	0.0	1.899	0.0	0.0	1.941	0.0	0.0	2.212	0.0	0.0	2.263	0.0
68	2977	2978	NS	1	0.0	33.688	23.847	0.0	31.083	24.147	0.0	354.264	12.137	0.0	47.44	12.222	0.0	1.906	0.0	0.0	1.891	0.0	0.0	2.19	0.0	0.0	2.169	0.0

Parameter Specifications	Parameters	Azi.Angle	Inci.Angle	Normal	Deviations
	Range	10.0	3.0		

69	2977	2978	SN	1	0.0	29.787	28.085	0.0	33.462	24.174	0.0	167.91	18.238	0.0	60.461	14.553	0.0	1.91	0.0	0.0	1.933	0.0	0.0	2.219	0.0	0.0	2.227	0.0
70	2977	2978	NS	1	0.0	26.72	13.193	0.0	25.821	13.581	0.0	354.799	2.548	0.0	48.973	2.554	0.0	1.893	0.0	0.0	1.878	0.0	0.0	2.181	0.0	0.0	2.166	0.0
71	2977	2978	SN	1	0.0	24.751	15.313	0.0	25.463	13.045	0.0	192.843	5.319	0.0	150.215	5.066	0.0	1.893	0.0	0.0	1.927	0.0	0.0	2.211	0.0	0.0	2.235	0.0
72	2978	2979	NS	1	0.0	26.687	13.199	0.0	25.827	13.547	0.0	354.959	2.532	0.0	51.427	2.56	0.0	1.894	0.0	0.0	1.88	0.0	0.0	2.18	0.0	0.0	2.166	0.0
73	2978	2979	SN	1	0.0	30.89	24.755	0.0	80.257	24.634	0.0	352.522	15.065	0.0	65.364	14.914	0.0	1.908	0.0	0.0	1.969	0.0	0.0	2.219	0.0	0.0	2.275	0.0
74	2978	2979	SN	1	0.0	24.762	13.168	0.0	136.416	13.375	0.0	254.479	4.694	0.0	72.296	5.027	0.0	1.893	0.0	0.0	1.939	0.0	0.0	2.211	0.0	0.0	2.259	0.0
75	2978	2979	NS	1	0.0	33.716	23.88	0.0	31.088	24.057	0.0	355.241	12.202	0.0	56.755	12.266	0.0	1.906	0.0	0.0	1.89	0.0	0.0	2.19	0.0	0.0	2.169	0.0
76	2979	2980	NS	1	0.0	26.72	13.258	0.0	25.827	13.538	0.0	355.003	2.524	0.0	66.941	2.565	0.0	1.893	0.0	0.0	1.875	0.0	0.0	2.18	0.0	0.0	2.164	0.0
77	2979	2980	NS	1	0.0	33.755	23.98	0.0	35.064	24.09	0.0	353.818	12.027	0.0	49.023	12.134	0.0	1.906	0.0	0.0	1.889	0.0	0.0	2.189	0.0	0.0	2.169	0.0

Parameter Specifications	Parameters	Azi.Angle	Inci.Angle	Normal	Deviations
	Range	10.0	3.0		