

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

Report between 25-OCT-2016 To 26-OCT-2016

Sr No	Start Orbit	End Orbit	Dir.	Ver.	SNR												Sigma0											
					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	419	420	NS	1	0.0	52.807	9.885	0.0	55.211	13.444	0.0	58.806	13.456	0.0	54.634	24.313	0.0	94.924	10.026	0.0	92.201	13.697	0.0	59.235	13.49	0.0	85.857	24.185
2	419	420	SN	1	0.0	50.805	2.088	0.0	52.171	6.781	0.0	52.892	5.649	0.0	53.101	13.751	0.0	92.857	2.101	0.0	94.28	6.79	0.0	52.983	5.615	0.0	94.814	13.753
3	419	420	NS	1	0.0	54.928	3.108	0.0	48.452	4.767	0.0	58.896	4.783	0.0	55.477	11.12	0.0	94.261	3.16	0.0	94.828	4.772	0.0	59.325	4.779	0.0	55.348	11.094
4	419	420	SN	1	0.0	50.534	3.147	0.0	57.825	4.114	0.0	61.65	2.664	0.0	51.597	3.874	0.0	93.914	3.222	0.0	93.113	4.189	0.0	61.486	2.692	0.0	51.31	3.867
5	420	421	SN	1	0.0	53.017	1.393	0.0	96.613	1.221	0.0	53.356	1.06	0.0	52.553	1.008	0.0	95.168	1.456	0.0	94.362	1.267	0.0	93.77	1.055	0.0	52.333	0.995
6	421	422	SN	1	0.0	56.5	1.77	0.0	44.326	1.607	0.0	48.093	1.595	0.0	48.525	1.956	0.0	95.565	1.795	0.0	95.778	1.643	0.0	47.941	1.577	0.0	48.391	1.946
7	421	422	NS	1	0.0	47.949	0.986	0.0	43.89	0.964	0.0	59.182	0.932	0.0	49.405	1.364	0.0	94.224	1.002	0.0	94.226	0.958	0.0	93.867	0.935	0.0	49.468	1.365
8	422	423	SN	1	0.0	53.707	5.723	0.0	43.845	6.389	0.0	51.956	5.708	0.0	49.742	6.317	0.0	94.642	5.732	0.0	94.74	6.356	0.0	51.863	5.687	0.0	49.614	6.267
9	423	424	SN	1	0.0	53.546	4.526	0.0	51.09	4.398	0.0	47.137	4.245	0.0	50.969	4.49	0.0	53.598	4.551	0.0	95.124	4.398	0.0	93.238	4.21	0.0	50.762	4.49
10	423	424	NS	1	0.0	49.422	1.424	0.0	45.117	1.51	0.0	60.871	1.495	0.0	51.527	1.677	0.0	94.949	1.475	0.0	95.265	1.546	0.0	94.539	1.509	0.0	51.613	1.677
11	424	425	NS	1	0.0	55.064	5.992	0.0	53.611	5.968	0.0	49.792	5.248	0.0	61.79	5.647	0.0	94.111	6.033	0.0	93.677	6.001	0.0	49.63	5.284	0.0	61.769	5.619
12	424	425	NS	1	0.0	50.259	1.918	0.0	47.88	1.727	0.0	45.669	1.757	0.0	54.539	1.95	0.0	94.784	1.954	0.0	93.183	1.742	0.0	94.345	1.752	0.0	54.377	1.934
13	425	426	NS	1	0.0	66.796	7.951	0.0	57.29	7.749	0.0	54.898	6.905	0.0	55.715	7.415	0.0	94.355	8.201	0.0	95.782	7.924	0.0	55.262	6.934	0.0	55.904	7.415
14	425	426	SN	1	0.0	50.282	2.301	0.0	94.591	2.35	0.0	48.758	2.208	0.0	52.437	2.322	0.0	95.252	2.351	0.0	95.8	2.358	0.0	94.283	2.202	0.0	93.952	2.331
15	425	426	NS	1	0.0	48.421	2.572	0.0	54.697	2.386	0.0	53.829	2.25	0.0	49.021	2.445	0.0	94.447	2.615	0.0	95.822	2.41	0.0	93.064	2.235	0.0	91.921	2.45
16	426	427	NS	1	0.0	47.464	1.429	0.0	52.757	1.429	0.0	49.832	1.538	0.0	66.611	1.716	0.0	95.631	1.467	0.0	95.647	1.464	0.0	49.617	1.53	0.0	66.57	1.706
17	426	427	NS	1	0.0	54.584	4.694	0.0	47.979	4.679	0.0	50.463	4.643	0.0	41.95	4.668	0.0	95.031	4.81	0.0	95.453	4.762	0.0	50.265	4.636	0.0	41.713	4.682
18	426	427	SN	1	0.0	95.079	3.119	0.0	96.841	2.546	0.0	51.523	2.325	0.0	52.988	2.163	0.0	95.79	3.321	0.0	95.634	2.649	0.0	95.013	2.32	0.0	94.433	2.169
19	427	428	NS	1	0.0	44.003	1.521	0.0	47.928	1.456	0.0	53.696	1.33	0.0	48.806	1.66	0.0	95.806	1.659	0.0	95.762	1.743	0.0	93.832	1.325	0.0	48.77	1.647
20	428	429	NS	1	0.0	94.929	4.287	0.0	95.34	4.947	0.0	50.54	3.729	0.0	46.172	4.825	0.0	95.934	4.703	0.0	95.847	5.28	0.0	95.497	3.737	0.0	95.324	4.875
21	428	429	NS	1	0.0	97.719	1.345	0.0	94.58	1.448	0.0	48.294	1.31	0.0	46.08	1.55	0.0	95.938	1.55	0.0	95.976	1.585	0.0	95.856	1.336	0.0	95.338	1.559
22	429	430	NS	1	0.0	58.263	6.393	0.0	51.579	6.602	0.0	46.155	5.321	0.0	52.94	6.404	0.0	95.562	6.493	0.0	94.628	6.677	0.0	94.958	5.356	0.0	53.033	6.354
23	429	430	NS	1	0.0	52.697	2.025	0.0	43.005	2.037	0.0	62.954	1.728	0.0	50.23	2.151	0.0	95.44	2.09	0.0	95.427	2.067	0.0	94.871	1.737	0.0	50.193	2.14
24	430	431	NS	1	0.0	58.176	5.191	0.0	45.257	5.118	0.0	49.659	4.901	0.0	45.989	5.406	0.0	95.694	5.258	0.0	95.484	5.211	0.0	92.435	4.887	0.0	46.062	5.327
25	430	431	NS	1	0.0	44.451	1.656	0.0	44.277	1.704	0.0	53.26	1.826	0.0	47.001	2.157	0.0	95.263	1.707	0.0	95.406	1.721	0.0	94.822	1.814	0.0	95.044	2.152
26	431	432	SN	1	0.0	52.083	1.675	0.0	63.623	1.603	0.0	43.373	1.571	0.0	47.739	1.718	0.0	95.287	1.746	0.0	95.807	1.682	0.0	95.447	1.585	0.0	95.187	1.737
27	431	432	NS	1	0.0	60.571	1.374	0.0	51.297	1.89	0.0	46.883	1.572	0.0	52.187	2.19	0.0	93.695	1.376	0.0	94.938	1.915	0.0	46.606	1.561	0.0	52.123	2.167
28	431	432	SN	1	0.0	58.551	5.229	0.0	48.481	5.675	0.0	54.911	5.071	0.0	50.205	5.281	0.0	95.316	5.436	0.0	95.807	5.808	0.0	94.642	5.12	0.0	95.5	5.26
29	432	433	SN	1	0.0	52.516	1.821	0.0	48.876	1.818	0.0	46.599	1.659	0.0	60.712	2.04	0.0	95.869	1.973	0.0	95.709	1.923	0.0	94.622	1.636	0.0	60.423	2.004
30	432	433	SN	1	0.0	47.559	5.758	0.0	59.168	6.429	0.0	46.859	5.135	0.0	48.574	5.745	0.0	95.646	6.072	0.0	95.707	6.496	0.0	95.013	5.092	0.0	48.9	5.745
31	432	433	NS	1	0.0	44.348	1.856	0.0	54.965	1.869	0.0	47.774	1.823	0.0	62.189	2.395	0.0	95.718	1.915	0.0	94.717	1.863	0.0	95.432	1.811	0.0	62.146	2.376

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

32	432	433	NS	1	0.0	48.915	5.9	0.0	47.887	6.41	0.0	50.369	5.2	0.0	60.765	6.681	0.0	48.939	5.927	0.0	48.081	6.509	0.0	50.649	5.131	0.0	60.441	6.59
33	433	434	SN	1	0.0	47.177	1.262	0.0	51.899	1.175	0.0	41.905	1.246	0.0	46.176	1.366	0.0	95.575	1.32	0.0	95.884	1.256	0.0	95.18	1.233	0.0	46.12	1.353
34	433	434	NS	1	0.0	45.414	1.691	0.0	48.29	1.675	0.0	55.257	1.588	0.0	57.412	1.777	0.0	95.803	1.79	0.0	95.651	1.74	0.0	95.449	1.607	0.0	94.684	1.772
35	434	435	SN	1	0.0	51.795	3.237	0.0	51.489	2.779	0.0	57.736	2.364	0.0	50.228	2.713	0.0	94.421	3.484	0.0	94.499	2.895	0.0	95.537	2.35	0.0	50.337	2.699
36	434	435	NS	1	0.0	62.418	14.176	0.0	95.711	13.807	0.0	52.562	10.624	0.0	55.726	11.365	0.0	95.124	14.384	0.0	95.319	14.047	0.0	52.292	10.598	0.0	55.59	11.347
37	434	435	NS	1	0.0	53.665	4.288	0.0	96.2	3.841	0.0	55.151	3.18	0.0	57.477	3.46	0.0	95.194	4.388	0.0	95.094	3.968	0.0	95.296	3.191	0.0	93.173	3.442
38	434	435	SN	1	0.0	47.211	0.885	0.0	43.095	0.732	0.0	54.604	0.627	0.0	44.883	0.812	0.0	94.455	0.922	0.0	94.499	0.763	0.0	95.46	0.631	0.0	95.288	0.803
39	435	436	NS	1	0.0	97.611	7.281	0.0	51.696	7.504	0.0	47.86	5.857	0.0	45.805	6.761	0.0	95.603	7.677	0.0	93.477	7.654	0.0	89.726	5.894	0.0	45.745	6.716
40	435	436	SN	1	0.0	49.668	1.676	0.0	52.125	1.384	0.0	47.57	1.24	0.0	52.567	1.394	0.0	95.402	1.707	0.0	95.087	1.419	0.0	47.549	1.224	0.0	52.919	1.401
41	435	436	SN	1	0.0	51.911	5.301	0.0	50.544	4.994	0.0	55.5	4.196	0.0	48.744	4.248	0.0	95.427	5.4	0.0	95.088	5.119	0.0	55.453	4.217	0.0	49.06	4.24
42	435	436	NS	1	0.0	100.403	2.37	0.0	95.742	2.065	0.0	48.067	1.911	0.0	48.939	2.048	0.0	95.619	2.532	0.0	94.652	2.127	0.0	95.597	1.94	0.0	48.717	2.048
43	436	437	SN	1	0.0	47.286	5.268	0.0	51.954	5.119	0.0	50.506	5.381	0.0	61.577	5.997	0.0	94.978	5.359	0.0	94.975	5.227	0.0	50.225	5.374	0.0	61.302	5.926
44	436	437	SN	1	0.0	45.265	1.737	0.0	45.394	1.68	0.0	47.822	1.854	0.0	51.871	2.093	0.0	94.115	1.712	0.0	94.762	1.697	0.0	47.524	1.845	0.0	51.832	2.07
45	437	438	SN	1	0.0	48.769	1.36	0.0	44.453	1.474	0.0	47.563	1.336	0.0	52.169	1.779	0.0	91.778	1.366	0.0	44.462	1.447	0.0	47.49	1.338	0.0	51.693	1.777
46	437	438	NS	1	0.0	49.564	3.364	0.0	98.714	3.679	0.0	49.843	3.407	0.0	58.279	3.788	0.0	94.355	3.443	0.0	95.424	3.705	0.0	50.311	3.392	0.0	58.718	3.777
47	437	438	NS	1	0.0	61.329	10.418	0.0	55.134	10.861	0.0	52.078	9.58	0.0	52.027	11.033	0.0	94.283	10.418	0.0	95.3	10.882	0.0	52.057	9.597	0.0	51.884	11.092
48	437	438	SN	1	0.0	57.548	4.187	0.0	51.897	4.391	0.0	44.045	4.06	0.0	51.334	5.242	0.0	57.476	4.204	0.0	51.662	4.474	0.0	44.37	4.046	0.0	50.977	5.242
49	438	439	NS	1	0.0	57.18	3.528	0.0	49.795	3.296	0.0	45.438	3.097	0.0	53.511	3.602	0.0	95.163	3.661	0.0	95.197	3.429	0.0	94.933	3.125	0.0	53.956	3.588
50	438	439	SN	1	0.0	60.4	5.432	0.0	46.528	5.085	0.0	44.47	4.352	0.0	51.705	4.971	0.0	60.418	5.432	0.0	46.699	5.064	0.0	44.453	4.334	0.0	52.013	4.908
51	438	439	SN	1	0.0	52.979	1.658	0.0	45.073	1.635	0.0	50.734	1.569	0.0	47.018	1.763	0.0	53.295	1.656	0.0	44.66	1.614	0.0	50.519	1.547	0.0	47.112	1.748
52	438	439	NS	1	0.0	49.229	0.92	0.0	50.78	0.84	0.0	55.995	0.916	0.0	55.511	1.022	0.0	92.485	0.964	0.0	93.873	0.867	0.0	94.99	0.916	0.0	55.581	1.013
53	439	440	NS	1	0.0	53.525	2.485	0.0	50.497	2.099	0.0	49.156	2.002	0.0	55.848	2.088	0.0	95.506	2.532	0.0	95.562	2.126	0.0	49.073	1.997	0.0	55.982	2.097
54	439	440	SN	1	0.0	54.405	1.747	0.0	48.407	1.886	0.0	45.437	1.869	0.0	46.006	2.199	0.0	95.352	1.78	0.0	48.406	1.873	0.0	45.521	1.851	0.0	45.996	2.19
55	439	440	NS	1	0.0	67.466	7.446	0.0	56.708	6.833	0.0	50.151	6.207	0.0	52.682	6.835	0.0	95.281	7.646	0.0	94.592	7.007	0.0	50.004	6.221	0.0	52.708	6.778
56	439	440	SN	1	0.0	52.952	5.541	0.0	59.327	6.075	0.0	47.778	5.182	0.0	56.332	6.249	0.0	95.385	5.583	0.0	59.106	6.15	0.0	47.749	5.089	0.0	56.477	6.263
57	440	441	SN	1	0.0	54.099	7.325	0.0	97.433	7.875	0.0	60.536	6.835	0.0	58.896	7.556	0.0	95.491	7.49	0.0	95.071	7.991	0.0	94.943	6.885	0.0	93.367	7.478
58	440	441	NS	1	0.0	62.491	7.53	0.0	56.795	6.891	0.0	52.708	6.462	0.0	49.077	6.444	0.0	95.549	7.63	0.0	95.747	6.957	0.0	52.805	6.433	0.0	48.754	6.394
59	440	441	NS	1	0.0	50.638	2.101	0.0	43.819	1.94	0.0	59.669	2.028	0.0	48.478	2.198	0.0	94.991	2.146	0.0	95.701	1.968	0.0	59.566	2.021	0.0	48.21	2.182
60	440	441	SN	1	0.0	51.797	2.49	0.0	94.468	2.266	0.0	56.472	2.218	0.0	49.136	2.507	0.0	95.491	2.569	0.0	95.472	2.325	0.0	95.913	2.241	0.0	94.37	2.482
61	441	442	SN	1	0.0	99.961	9.074	0.0	59.379	8.813	0.0	53.082	7.197	0.0	53.433	7.527	0.0	95.613	9.412	0.0	95.671	9.095	0.0	95.954	7.31	0.0	95.671	7.57
62	441	442	NS	1	0.0	63.07	3.56	0.0	59.768	4.052	0.0	46.552	3.295	0.0	63.113	3.815	0.0	95.75	3.852	0.0	95.532	4.194	0.0	94.64	3.287	0.0	63.057	3.794
63	441	442	SN	1	0.0	99.068	2.915	0.0	96.873	2.498	0.0	53.138	2.164	0.0	46.976	2.101	0.0	95.818	3.107	0.0	95.854	2.653	0.0	95.954	2.218	0.0	95.277	2.108
64	441	442	NS	1	0.0	43.42	1.059	0.0	54.109	1.209	0.0	48.601	1.079	0.0	43.895	1.335	0.0	95.91	1.171	0.0	95.784	1.316	0.0	94.75	1.084	0.0	94.771	1.325
65	442	443	NS	1	0.0	52.276	1.431	0.0	48.223	1.546	0.0	49.371	1.523	0.0	51.643	1.787	0.0	95.759	1.561	0.0	95.768	1.633	0.0	94.353	1.534	0.0	93.082	1.782
66	442	443	NS	1	0.0	64.761	4.849	0.0	59.474	5.034	0.0	54.501	4.906	0.0	50.052	5.769	0.0	95.694	5.166	0.0	95.718	5.275	0.0	95.35	4.969	0.0	50.255	5.747
67	443	444	NS	1	0.0	54.999	5.434	0.0	48.051	5.569	0.0	51.789	4.447	0.0	51.642	5.059	0.0	95.594	5.716	0.0	95.798	5.711	0.0	93.97	4.44	0.0	94.793	5.059

Parameter Specifications	Parameters	SNR	Sigma0	Normal	Deviations
	Range	20.0	20.0		

68	443	444	NS	1	0.0	53.76	1.663	0.0	42.898	1.612	0.0	43.214	1.366	0.0	53.593	1.664	0.0	95.731	1.779	0.0	95.823	1.656	0.0	94.756	1.382	0.0	95.554	1.651
69	444	445	SN	1	0.0	54.813	6.229	0.0	55.358	6.298	0.0	48.676	4.942	0.0	52.479	5.388	0.0	95.379	6.427	0.0	95.632	6.439	0.0	48.614	4.999	0.0	52.439	5.403
70	444	445	SN	1	0.0	51.223	1.784	0.0	55.446	1.845	0.0	40.496	1.43	0.0	51.192	1.673	0.0	95.482	1.897	0.0	95.322	1.891	0.0	91.966	1.435	0.0	50.968	1.664
71	444	445	NS	1	0.0	49.428	1.287	0.0	43.099	1.535	0.0	58.435	1.522	0.0	53.404	1.91	0.0	95.468	1.357	0.0	95.748	1.579	0.0	95.3	1.526	0.0	53.642	1.887
72	444	445	NS	1	0.0	53.121	3.811	0.0	48.127	4.742	0.0	58.186	4.517	0.0	45.018	5.148	0.0	95.297	3.952	0.0	94.709	4.825	0.0	95.3	4.503	0.0	45.155	5.148
73	445	446	NS	1	0.0	42.255	3.197	0.0	46.192	4.483	0.0	51.025	3.89	0.0	49.224	5.255	0.0	95.427	3.274	0.0	95.388	4.526	0.0	95.653	3.868	0.0	48.998	5.175
74	445	446	SN	1	0.0	61.227	1.079	0.0	48.884	0.922	0.0	53.566	1.102	0.0	55.407	1.103	0.0	95.131	1.158	0.0	95.879	0.993	0.0	93.752	1.106	0.0	93.517	1.102
75	445	446	NS	1	0.0	47.46	1.092	0.0	45.38	1.566	0.0	54.983	1.364	0.0	52.027	1.903	0.0	94.35	1.127	0.0	95.224	1.57	0.0	95.653	1.369	0.0	88.634	1.897
76	445	446	SN	1	0.0	52.094	3.899	0.0	48.936	3.634	0.0	51.425	3.735	0.0	45.5	3.911	0.0	95.4	4.089	0.0	95.879	3.75	0.0	94.84	3.806	0.0	45.266	3.939
77	446	447	NS	1	0.0	45.708	2.615	0.0	51.792	2.385	0.0	45.149	2.644	0.0	49.091	2.755	0.0	92.92	2.636	0.0	52.234	2.394	0.0	90.189	2.62	0.0	49.449	2.763
78	446	447	SN	1	0.0	47.408	1.57	0.0	53.85	1.661	0.0	50.052	1.712	0.0	55.168	1.84	0.0	95.743	1.774	0.0	95.813	1.828	0.0	95.471	1.756	0.0	94.611	1.84
79	446	447	SN	1	0.0	47.655	4.552	0.0	56.025	5.392	0.0	52.4	4.893	0.0	51.633	5.302	0.0	95.893	5.007	0.0	95.826	5.715	0.0	95.471	5.007	0.0	94.237	5.252
80	446	447	NS	1	0.0	48.871	7.866	0.0	47.873	7.616	0.0	48.529	7.251	0.0	56.809	7.878	0.0	92.697	7.848	0.0	47.579	7.643	0.0	92.054	7.228	0.0	56.583	7.847
81	447	448	SN	1	0.0	45.782	0.997	0.0	49.665	1.158	0.0	44.49	1.304	0.0	50.301	1.551	0.0	95.8	1.155	0.0	95.669	1.256	0.0	93.396	1.313	0.0	50.596	1.533
82	447	448	NS	1	0.0	47.872	5.844	0.0	97.269	6.068	0.0	45.828	5.985	0.0	50.517	6.662	0.0	47.549	5.881	0.0	93.97	6.143	0.0	46.159	5.985	0.0	50.115	6.631
83	447	448	SN	1	0.0	45.2	3.336	0.0	45.107	3.667	0.0	54.284	3.479	0.0	53.488	4.119	0.0	95.785	3.591	0.0	95.681	3.858	0.0	93.933	3.486	0.0	53.739	4.155
84	447	448	NS	1	0.0	49.727	1.951	0.0	46.551	1.849	0.0	46.144	2.053	0.0	49.023	2.349	0.0	49.879	1.948	0.0	95.094	1.852	0.0	46.114	2.055	0.0	48.733	2.333

Parameter Specifications	Parameters	SNR	Sigma0	Normal	Deviations
	Range	20.0	20.0		

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	419	420	NS	1	0.0	44.28	24.419	0.0	46.083	25.503	0.0	77.075	16.282	0.0	30.845	16.527	0.0	1.88	0.0	0.0	1.889	0.0	0.0	2.221	0.0	0.0	2.234	0.0
2	419	420	SN	1	0.0	36.807	12.718	0.0	38.442	12.816	0.0	23.582	4.431	0.0	21.861	4.401	0.0	1.858	0.0	0.0	1.851	0.0	0.0	2.197	0.0	0.0	2.187	0.0
3	419	420	NS	1	0.0	34.744	12.965	0.0	36.939	13.331	0.0	75.801	7.783	0.0	24.205	7.9	0.0	1.88	0.0	0.0	1.889	0.0	0.0	2.221	0.0	0.0	2.234	0.0
4	419	420	SN	1	0.0	45.907	23.759	0.0	45.907	23.733	0.0	30.713	12.317	0.0	23.466	12.479	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.182	0.0	0.0	2.171	0.0
5	420	421	SN	1	0.0	39.454	12.728	0.0	39.457	13.167	0.0	22.082	3.636	0.0	21.668	3.769	0.0	1.839	0.0	0.0	1.832	0.0	0.0	2.182	0.0	0.0	2.174	0.0
6	421	422	SN	1	0.0	39.454	12.737	0.0	39.17	13.213	0.0	22.413	3.641	0.0	21.679	3.794	0.0	1.839	0.0	0.0	1.833	0.0	0.0	2.183	0.0	0.0	2.172	0.0
7	421	422	NS	1	0.0	39.485	12.601	0.0	39.322	13.163	0.0	22.33	5.793	0.0	24.641	5.821	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
8	422	423	SN	1	0.0	46.403	23.918	0.0	45.234	23.78	0.0	30.355	12.339	0.0	23.797	12.556	0.0	1.84	0.0	0.0	1.833	0.0	0.0	2.183	0.0	0.0	2.171	0.0
9	423	424	SN	1	0.0	46.376	23.912	0.0	45.256	23.774	0.0	30.338	12.395	0.0	23.808	12.605	0.0	1.84	0.0	0.0	1.833	0.0	0.0	2.183	0.0	0.0	2.171	0.0
10	423	424	NS	1	0.0	39.501	12.604	0.0	39.338	13.057	0.0	22.303	5.814	0.0	23.692	5.73	0.0	1.863	0.0	0.0	1.87	0.0	0.0	2.209	0.0	0.0	2.221	0.0
11	424	425	NS	1	0.0	45.995	23.816	0.0	47.837	24.804	0.0	25.799	14.935	0.0	27.228	14.718	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
12	424	425	NS	1	0.0	39.501	12.604	0.0	39.355	13.089	0.0	22.27	5.825	0.0	24.134	5.73	0.0	1.863	0.0	0.0	1.87	0.0	0.0	2.209	0.0	0.0	2.221	0.0
13	425	426	NS	1	0.0	45.956	23.87	0.0	47.821	24.838	0.0	24.856	14.933	0.0	27.217	14.703	0.0	1.861	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
14	425	426	SN	1	0.0	39.25	12.684	0.0	39.413	13.235	0.0	22.281	3.668	0.0	22.126	3.805	0.0	1.84	0.0	0.0	1.833	0.0	0.0	2.183	0.0	0.0	2.173	0.0
15	425	426	NS	1	0.0	39.656	12.607	0.0	38.875	13.11	0.0	23.014	5.82	0.0	24.492	5.771	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
16	426	427	NS	1	0.0	39.667	12.573	0.0	38.688	13.115	0.0	22.987	5.822	0.0	23.681	5.813	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
17	426	427	NS	1	0.0	46.53	23.793	0.0	49.05	24.827	0.0	26.031	15.001	0.0	28.104	14.714	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.222	0.0
18	426	427	SN	1	0.0	39.239	12.691	0.0	39.391	13.219	0.0	22.314	3.659	0.0	21.431	3.809	0.0	1.839	0.0	0.0	1.834	0.0	0.0	2.183	0.0	0.0	2.173	0.0
19	427	428	NS	1	0.0	39.667	12.587	0.0	38.721	13.137	0.0	22.964	5.826	0.0	23.946	5.9	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.221	0.0
20	428	429	NS	1	0.0	45.493	23.831	0.0	47.964	24.817	0.0	25.209	15.025	0.0	27.2	14.73	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.222	0.0
21	428	429	NS	1	0.0	39.281	12.589	0.0	39.096	13.132	0.0	22.755	5.821	0.0	24.851	5.81	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
22	429	430	NS	1	0.0	45.482	23.774	0.0	47.964	24.706	0.0	25.226	15.01	0.0	27.194	14.429	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
23	429	430	NS	1	0.0	39.259	12.554	0.0	38.919	12.997	0.0	22.777	5.83	0.0	24.845	5.675	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
24	430	431	NS	1	0.0	45.449	23.707	0.0	47.953	24.834	0.0	25.198	14.898	0.0	27.183	14.602	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.222	0.0
25	430	431	NS	1	0.0	37.224	12.541	0.0	38.197	13.065	0.0	22.755	5.747	0.0	24.845	5.78	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.221	0.0
26	431	432	SN	1	0.0	39.482	12.686	0.0	39.016	13.243	0.0	24.663	3.625	0.0	20.56	3.821	0.0	1.84	0.0	0.0	1.834	0.0	0.0	2.183	0.0	0.0	2.174	0.0
27	431	432	NS	1	0.0	39.424	12.554	0.0	39.267	13.134	0.0	22.556	5.808	0.0	24.751	5.853	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.221	0.0
28	431	432	SN	1	0.0	45.868	23.874	0.0	45.146	23.72	0.0	29.202	12.243	0.0	23.731	12.568	0.0	1.84	0.0	0.0	1.833	0.0	0.0	2.183	0.0	0.0	2.172	0.0
29	432	433	SN	1	0.0	39.454	12.68	0.0	39.468	13.226	0.0	24.674	3.641	0.0	21.508	3.805	0.0	1.84	0.0	0.0	1.834	0.0	0.0	2.184	0.0	0.0	2.175	0.0
30	432	433	SN	1	0.0	45.896	23.932	0.0	45.173	23.644	0.0	29.218	12.251	0.0	23.753	12.524	0.0	1.84	0.0	0.0	1.835	0.0	0.0	2.184	0.0	0.0	2.174	0.0
31	432	433	NS	1	0.0	39.452	12.577	0.0	39.294	13.149	0.0	223.923	5.815	0.0	24.183	5.952	0.0	1.864	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.222	0.0

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

32	432	433	NS	1	0.0	45.427	23.509	0.0	48.56	24.888	0.0	223.928	14.555	0.0	28.413	14.896	0.0	1.861	0.0	0.0	1.872	0.0	0.0	2.209	0.0	0.0	2.222	0.0
33	433	434	SN	1	0.0	39.465	12.69	0.0	40.207	13.225	0.0	24.784	3.645	0.0	21.514	3.78	0.0	1.84	0.0	0.0	1.834	0.0	0.0	2.183	0.0	0.0	2.174	0.0
34	433	434	NS	1	0.0	39.314	12.581	0.0	39.151	13.179	0.0	22.523	5.812	0.0	24.74	5.992	0.0	1.864	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.222	0.0
35	434	435	SN	1	0.0	46.381	23.912	0.0	45.223	23.758	0.0	30.338	12.296	0.0	23.786	12.508	0.0	1.84	0.0	0.0	1.832	0.0	0.0	2.184	0.0	0.0	2.172	0.0
36	434	435	NS	1	0.0	45.388	24.112	0.0	47.881	25.696	0.0	24.641	15.536	0.0	28.16	16.135	0.0	1.861	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.222	0.0
37	434	435	NS	1	0.0	35.903	12.663	0.0	38.522	13.559	0.0	22.325	6.306	0.0	24.63	6.921	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.222	0.0
38	434	435	SN	1	0.0	39.449	12.693	0.0	39.446	13.23	0.0	24.806	3.658	0.0	21.189	3.794	0.0	1.84	0.0	0.0	1.832	0.0	0.0	2.183	0.0	0.0	2.174	0.0
39	435	436	NS	1	0.0	45.372	24.221	0.0	47.854	25.765	0.0	24.669	15.761	0.0	27.233	16.29	0.0	1.861	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.222	0.0
40	435	436	SN	1	0.0	39.454	12.665	0.0	39.672	13.233	0.0	24.784	3.656	0.0	20.621	3.812	0.0	1.84	0.0	0.0	1.833	0.0	0.0	2.184	0.0	0.0	2.173	0.0
41	435	436	SN	1	0.0	46.381	23.879	0.0	45.245	23.735	0.0	30.355	12.324	0.0	23.803	12.579	0.0	1.84	0.0	0.0	1.833	0.0	0.0	2.184	0.0	0.0	2.173	0.0
42	435	436	NS	1	0.0	35.897	12.716	0.0	38.511	13.511	0.0	22.297	6.494	0.0	24.624	6.993	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
43	436	437	SN	1	0.0	46.376	23.922	0.0	45.262	23.778	0.0	29.428	12.331	0.0	23.814	12.579	0.0	1.84	0.0	0.0	1.834	0.0	0.0	2.184	0.0	0.0	2.173	0.0
44	436	437	SN	1	0.0	39.421	12.672	0.0	39.86	13.228	0.0	24.806	3.658	0.0	20.626	3.835	0.0	1.84	0.0	0.0	1.833	0.0	0.0	2.184	0.0	0.0	2.174	0.0
45	437	438	SN	1	0.0	39.272	12.682	0.0	41.046	13.27	0.0	24.503	3.65	0.0	19.953	3.85	0.0	1.841	0.0	0.0	1.833	0.0	0.0	2.185	0.0	0.0	2.174	0.0
46	437	438	NS	1	0.0	35.886	12.625	0.0	38.5	13.357	0.0	22.286	6.037	0.0	24.613	6.393	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
47	437	438	NS	1	0.0	45.35	23.895	0.0	47.843	25.534	0.0	24.663	15.121	0.0	27.233	15.73	0.0	1.862	0.0	0.0	1.871	0.0	0.0	2.207	0.0	0.0	2.222	0.0
48	437	438	SN	1	0.0	45.168	23.951	0.0	45.774	23.647	0.0	28.81	12.273	0.0	24.189	12.671	0.0	1.841	0.0	0.0	1.833	0.0	0.0	2.185	0.0	0.0	2.173	0.0
49	438	439	NS	1	0.0	188.594	23.816	0.0	48.008	24.736	0.0	25.281	15.007	0.0	28.126	14.545	0.0	1.86	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
50	438	439	SN	1	0.0	45.366	24.976	0.0	45.3	23.889	0.0	28.468	13.679	0.0	23.847	13.148	0.0	1.841	0.0	0.0	1.833	0.0	0.0	2.185	0.0	0.0	2.174	0.0
51	438	439	SN	1	0.0	36.724	13.058	0.0	38.004	13.408	0.0	23.588	4.145	0.0	19.975	3.902	0.0	1.841	0.0	0.0	1.834	0.0	0.0	2.185	0.0	0.0	2.174	0.0
52	438	439	NS	1	0.0	126.396	12.59	0.0	38.859	13.055	0.0	22.066	5.781	0.0	24.498	5.72	0.0	1.863	0.0	0.0	1.87	0.0	0.0	2.207	0.0	0.0	2.221	0.0
53	439	440	NS	1	0.0	39.628	12.604	0.0	38.864	13.088	0.0	22.998	5.852	0.0	24.487	5.707	0.0	1.863	0.0	0.0	1.87	0.0	0.0	2.208	0.0	0.0	2.221	0.0
54	439	440	SN	1	0.0	39.256	12.651	0.0	39.805	13.238	0.0	24.547	3.681	0.0	19.992	3.857	0.0	1.841	0.0	0.0	1.833	0.0	0.0	2.184	0.0	0.0	2.174	0.0
55	439	440	NS	1	0.0	46.552	23.794	0.0	47.986	24.725	0.0	25.27	14.978	0.0	28.104	14.616	0.0	1.861	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
56	439	440	SN	1	0.0	46.425	23.999	0.0	45.808	23.653	0.0	28.275	12.315	0.0	24.227	12.648	0.0	1.841	0.0	0.0	1.834	0.0	0.0	2.184	0.0	0.0	2.173	0.0
57	440	441	SN	1	0.0	46.442	23.997	0.0	45.824	23.674	0.0	28.286	12.244	0.0	24.255	12.648	0.0	1.841	0.0	0.0	1.834	0.0	0.0	2.184	0.0	0.0	2.175	0.0
58	440	441	NS	1	0.0	45.471	23.771	0.0	49.034	24.809	0.0	24.156	15.018	0.0	28.093	14.622	0.0	1.862	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
59	440	441	NS	1	0.0	39.667	12.598	0.0	38.892	13.073	0.0	22.975	5.827	0.0	24.487	5.735	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
60	440	441	SN	1	0.0	39.228	12.661	0.0	40.097	13.222	0.0	24.553	3.679	0.0	19.997	3.839	0.0	1.841	0.0	0.0	1.834	0.0	0.0	2.184	0.0	0.0	2.174	0.0
61	441	442	SN	1	0.0	46.458	23.836	0.0	45.852	23.683	0.0	28.866	12.193	0.0	24.266	12.548	0.0	1.84	0.0	0.0	1.835	0.0	0.0	2.184	0.0	0.0	2.174	0.0
62	441	442	NS	1	0.0	44.203	23.758	0.0	49.017	24.763	0.0	24.145	14.967	0.0	28.093	14.664	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.222	0.0
63	441	442	SN	1	0.0	39.217	12.651	0.0	40.047	13.238	0.0	24.448	3.64	0.0	19.837	3.819	0.0	1.84	0.0	0.0	1.835	0.0	0.0	2.184	0.0	0.0	2.174	0.0
64	441	442	NS	1	0.0	39.672	12.585	0.0	38.721	13.103	0.0	22.964	5.811	0.0	23.665	5.818	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.222	0.0
65	442	443	NS	1	0.0	39.689	12.607	0.0	38.732	13.101	0.0	22.926	5.8	0.0	23.93	5.809	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
66	442	443	NS	1	0.0	46.486	23.806	0.0	49.017	24.796	0.0	24.172	14.987	0.0	28.071	14.592	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.222	0.0
67	443	444	NS	1	0.0	44.363	23.764	0.0	47.936	24.8	0.0	25.193	14.983	0.0	27.183	14.587	0.0	1.861	0.0	0.0	1.871	0.0	0.0	2.207	0.0	0.0	2.222	0.0
68	443	444	NS	1	0.0	39.286	12.612	0.0	39.107	13.069	0.0	22.76	5.806	0.0	24.84	5.732	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0

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

69	444	445	SN	1	0.0	45.234	23.99	0.0	45.157	23.697	0.0	29.196	12.263	0.0	23.72	12.646	0.0	1.841	0.0	0.0	1.834	0.0	0.0	2.185	0.0	0.0	2.174	0.0
70	444	445	SN	1	0.0	39.487	12.656	0.0	40.516	13.268	0.0	24.751	3.661	0.0	19.512	3.839	0.0	1.841	0.0	0.0	1.834	0.0	0.0	2.185	0.0	0.0	2.175	0.0
71	444	445	NS	1	0.0	39.43	12.606	0.0	39.278	13.091	0.0	22.132	5.782	0.0	24.2	5.757	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.221	0.0
72	444	445	NS	1	0.0	44.335	23.773	0.0	47.931	24.823	0.0	24.74	14.987	0.0	28.424	14.642	0.0	1.861	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.222	0.0
73	445	446	NS	1	0.0	43.773	23.598	0.0	47.92	24.836	0.0	24.751	14.571	0.0	28.419	14.594	0.0	1.861	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.222	0.0
74	445	446	SN	1	0.0	39.493	12.648	0.0	39.92	13.27	0.0	24.205	3.657	0.0	20.224	3.821	0.0	1.841	0.0	0.0	1.834	0.0	0.0	2.185	0.0	0.0	2.175	0.0
75	445	446	NS	1	0.0	35.93	12.563	0.0	38.539	13.173	0.0	22.115	5.607	0.0	24.746	5.816	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
76	445	446	SN	1	0.0	45.256	24.038	0.0	45.173	23.712	0.0	28.711	12.291	0.0	23.742	12.618	0.0	1.841	0.0	0.0	1.834	0.0	0.0	2.185	0.0	0.0	2.174	0.0
77	446	447	NS	1	0.0	35.919	12.539	0.0	38.528	13.227	0.0	22.545	5.548	0.0	24.74	5.988	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.221	0.0
78	446	447	SN	1	0.0	39.465	12.628	0.0	41.498	13.244	0.0	23.593	3.66	0.0	20.246	3.815	0.0	1.841	0.0	0.0	1.834	0.0	0.0	2.185	0.0	0.0	2.175	0.0
79	446	447	SN	1	0.0	45.912	23.992	0.0	45.195	23.716	0.0	28.226	12.272	0.0	23.676	12.595	0.0	1.841	0.0	0.0	1.835	0.0	0.0	2.185	0.0	0.0	2.176	0.0
80	446	447	NS	1	0.0	43.762	23.509	0.0	48.538	24.81	0.0	24.724	14.374	0.0	28.408	14.769	0.0	1.861	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.222	0.0
81	447	448	SN	1	0.0	39.46	12.623	0.0	41.305	13.247	0.0	24.382	3.632	0.0	19.738	3.808	0.0	1.841	0.0	0.0	1.835	0.0	0.0	2.185	0.0	0.0	2.176	0.0
82	447	448	NS	1	0.0	85.171	23.581	0.0	48.521	25.019	0.0	24.696	14.603	0.0	28.391	15.117	0.0	1.861	0.0	0.0	1.872	0.0	0.0	2.209	0.0	0.0	2.223	0.0
83	447	448	SN	1	0.0	46.354	24.009	0.0	45.223	23.751	0.0	28.303	12.338	0.0	23.781	12.601	0.0	1.841	0.0	0.0	1.835	0.0	0.0	2.185	0.0	0.0	2.175	0.0
84	447	448	NS	1	0.0	35.914	12.493	0.0	38.533	13.338	0.0	22.507	5.698	0.0	23.703	6.211	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.222	0.0

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