

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

Report between 23-OCT-2016 To 24-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	390	391	SN	1	0.0	63.651	3.075	0.0	49.403	3.105	0.0	44.38	2.366	0.0	43.311	2.829	0.0	94.081	3.166	0.0	93.749	3.163	0.0	44.407	2.366	0.0	43.161	2.829
2	390	391	SN	1	0.0	88.6	0.848	0.0	44.886	0.881	0.0	41.9	0.727	0.0	44.227	0.908	0.0	95.046	0.867	0.0	95.402	0.898	0.0	94.034	0.733	0.0	44.165	0.886
3	390	391	NS	1	0.0	54.501	11.038	0.0	53.706	15.444	0.0	61.917	12.118	0.0	58.006	25.288	0.0	94.955	11.28	0.0	95.158	15.646	0.0	94.747	12.084	0.0	58.14	25.117
4	390	391	NS	1	0.0	55.135	3.407	0.0	51.116	4.854	0.0	54.719	4.365	0.0	57.564	10.858	0.0	93.902	3.453	0.0	94.259	4.887	0.0	55.013	4.378	0.0	57.875	10.834
5	391	392	SN	1	0.0	53.2	7.547	0.0	95.467	6.845	0.0	51.034	5.982	0.0	54.267	5.844	0.0	94.178	7.762	0.0	95.241	6.953	0.0	51.272	5.996	0.0	54.284	5.837
6	391	392	SN	1	0.0	99.028	2.213	0.0	98.248	1.843	0.0	49.816	1.795	0.0	51.634	1.747	0.0	95.168	2.284	0.0	95.241	1.887	0.0	49.787	1.805	0.0	51.646	1.73
7	392	393	NS	1	0.0	54.024	0.961	0.0	42.081	1.067	0.0	50.202	0.902	0.0	49.521	1.467	0.0	55.187	0.964	0.0	42.073	1.065	0.0	49.959	0.915	0.0	94.336	1.465
8	392	393	NS	1	0.0	46.306	2.905	0.0	50.902	3.338	0.0	48.877	2.401	0.0	52.419	4.005	0.0	46.318	2.905	0.0	51.243	3.338	0.0	94.509	2.429	0.0	52.849	3.95
9	392	393	SN	1	0.0	96.776	2.073	0.0	91.694	2.191	0.0	50.59	2.131	0.0	53.307	2.35	0.0	95.571	2.188	0.0	95.713	2.251	0.0	50.497	2.121	0.0	53.12	2.352
10	392	393	SN	1	0.0	53.712	6.768	0.0	89.158	6.215	0.0	69.456	6.243	0.0	55.163	6.775	0.0	95.571	6.9	0.0	95.787	6.331	0.0	95.181	6.271	0.0	55.029	6.725
11	393	394	SN	1	0.0	44.176	1.734	0.0	51.175	1.791	0.0	53.634	1.739	0.0	47.598	1.951	0.0	95.318	1.736	0.0	95.731	1.785	0.0	53.189	1.718	0.0	47.637	1.928
12	393	394	SN	1	0.0	46.749	5.421	0.0	56.045	5.527	0.0	55.225	5.334	0.0	52.323	5.518	0.0	95.318	5.503	0.0	95.731	5.602	0.0	54.722	5.327	0.0	52.451	5.461
13	393	394	NS	1	0.0	50.511	8.121	0.0	57.522	8.052	0.0	49.239	7.529	0.0	53.387	8.909	0.0	93.307	8.047	0.0	57.698	8.042	0.0	92.953	7.414	0.0	53.271	8.793
14	393	394	NS	1	0.0	97.613	2.546	0.0	49.54	2.827	0.0	53.183	2.715	0.0	47.782	3.292	0.0	94.909	2.554	0.0	93.197	2.84	0.0	94.69	2.699	0.0	47.746	3.294
15	394	395	SN	1	0.0	48.138	1.177	0.0	55.983	1.279	0.0	45.177	1.151	0.0	45.482	1.574	0.0	93.765	1.19	0.0	93.139	1.271	0.0	94.27	1.14	0.0	45.42	1.568
16	394	395	SN	1	0.0	55.83	3.471	0.0	57.126	3.983	0.0	50.926	3.267	0.0	44.885	4.404	0.0	56.122	3.454	0.0	57.57	4.025	0.0	95.484	3.26	0.0	44.975	4.375
17	394	395	NS	1	0.0	51.975	4.438	0.0	51.682	4.798	0.0	49.359	4.288	0.0	52.824	5.114	0.0	95.121	4.496	0.0	94.918	4.956	0.0	94.428	4.344	0.0	53.355	5.15
18	394	395	NS	1	0.0	46.396	1.393	0.0	51.251	1.424	0.0	52.745	1.334	0.0	47.826	1.757	0.0	94.471	1.425	0.0	94.336	1.46	0.0	94.984	1.339	0.0	47.713	1.757
19	395	396	NS	1	0.0	55.451	5.271	0.0	51.63	5.622	0.0	49.02	4.927	0.0	50.652	6.549	0.0	56.123	5.288	0.0	52.166	5.68	0.0	49.211	4.884	0.0	50.536	6.5
20	395	396	NS	1	0.0	46.679	1.619	0.0	51.286	1.764	0.0	60.072	1.553	0.0	54.617	2.148	0.0	95.329	1.645	0.0	95.288	1.777	0.0	59.958	1.55	0.0	92.047	2.137
21	396	397	NS	1	0.0	61.634	1.641	0.0	43.542	1.427	0.0	53.71	1.35	0.0	50.573	1.734	0.0	95.525	1.687	0.0	95.604	1.492	0.0	92.945	1.352	0.0	50.855	1.738
22	396	397	NS	1	0.0	52.923	5.164	0.0	46.939	4.94	0.0	56.401	4.487	0.0	53.814	5.009	0.0	95.153	5.372	0.0	95.446	5.074	0.0	94.268	4.515	0.0	53.946	5.038
23	396	397	SN	1	0.0	58.008	7.661	0.0	55.938	7.818	0.0	58.815	6.641	0.0	46.167	7.184	0.0	94.299	7.718	0.0	56.161	7.884	0.0	95.237	6.626	0.0	46.04	7.098
24	396	397	SN	1	0.0	48.358	2.638	0.0	52.904	2.38	0.0	51.721	2.341	0.0	45.644	2.462	0.0	93.05	2.653	0.0	93.618	2.388	0.0	94.536	2.319	0.0	94.427	2.457
25	397	398	SN	1	0.0	97.571	10.692	0.0	98.445	10.208	0.0	56.609	8.379	0.0	53.959	8.403	0.0	95.65	11.064	0.0	95.865	10.565	0.0	95.025	8.379	0.0	95.327	8.446
26	397	398	NS	1	0.0	50.565	4.339	0.0	49.433	4.641	0.0	53.232	4.097	0.0	49.303	4.917	0.0	95.334	4.372	0.0	95.403	4.732	0.0	94.228	4.089	0.0	94.202	4.931
27	397	398	NS	1	0.0	45.762	1.297	0.0	43.915	1.385	0.0	57.579	1.426	0.0	49.32	1.754	0.0	95.347	1.345	0.0	95.518	1.408	0.0	93.31	1.408	0.0	49.298	1.745
28	397	398	SN	1	0.0	97.678	3.474	0.0	97.99	2.973	0.0	53.071	2.8	0.0	51.179	2.722	0.0	95.64	3.651	0.0	95.803	3.103	0.0	94.17	2.791	0.0	95.477	2.721
29	398	399	NS	1	0.0	45.783	1.691	0.0	50.862	1.877	0.0	49.057	1.622	0.0	49.572	1.89	0.0	95.832	1.89	0.0	95.953	2.119	0.0	92.11	1.63	0.0	49.154	1.892
30	398	399	NS	1	0.0	50.225	5.338	0.0	55.299	5.789	0.0	51.982	5.332	0.0	49.963	5.706	0.0	95.781	5.746	0.0	95.888	6.122	0.0	93.688	5.346	0.0	50.015	5.72
31	400	401	NS	1	0.0	55.364	3.856	0.0	56.707	4.933	0.0	61.931	3.537	0.0	49.239	5.429	0.0	95.772	4.064	0.0	94.871	5.017	0.0	94.443	3.544	0.0	49.158	5.436

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

32	400	401	NS	1	0.0	56.062	1.299	0.0	54.103	1.634	0.0	51.933	1.253	0.0	48.031	1.945	0.0	95.66	1.396	0.0	95.787	1.645	0.0	93.695	1.237	0.0	94.064	1.947
33	401	402	SN	1	0.0	58.279	5.635	0.0	47.012	5.809	0.0	61.53	4.836	0.0	45.876	4.626	0.0	95.296	5.833	0.0	95.69	5.959	0.0	94.036	4.907	0.0	45.651	4.619
34	401	402	NS	1	0.0	56.195	6.136	0.0	59.522	6.739	0.0	50.346	5.784	0.0	49.736	7.112	0.0	95.819	6.219	0.0	94.859	6.739	0.0	94.891	5.791	0.0	95.222	7.105
35	401	402	NS	1	0.0	58.641	2.05	0.0	46.186	2.334	0.0	52.34	2.191	0.0	45.282	2.607	0.0	95.875	2.103	0.0	95.551	2.32	0.0	94.93	2.194	0.0	95.349	2.595
36	401	402	SN	1	0.0	50.358	1.731	0.0	46.464	1.57	0.0	48.87	1.388	0.0	44.931	1.451	0.0	95.371	1.788	0.0	95.69	1.599	0.0	94.036	1.406	0.0	44.809	1.442
37	402	403	SN	1	0.0	57.601	1.455	0.0	41.446	1.395	0.0	46.261	1.256	0.0	48.628	1.458	0.0	95.35	1.54	0.0	95.281	1.464	0.0	95.312	1.266	0.0	94.133	1.467
38	402	403	SN	1	0.0	54.479	4.785	0.0	48.345	4.965	0.0	47.798	3.914	0.0	51.476	4.921	0.0	95.479	4.975	0.0	95.622	5.106	0.0	95.181	3.985	0.0	94.686	4.957
39	402	403	NS	1	0.0	51.476	2.496	0.0	52.629	4.814	0.0	49.753	4.945	0.0	54.823	11.803	0.0	51.285	2.52	0.0	95.174	4.814	0.0	50.027	4.934	0.0	55.356	11.705
40	402	403	NS	1	0.0	48.698	7.593	0.0	58.8	12.535	0.0	49.798	12.599	0.0	53.639	25.317	0.0	49.398	7.706	0.0	93.471	12.474	0.0	49.404	12.576	0.0	53.539	25.265
41	403	404	SN	1	0.0	45.903	1.515	0.0	54.996	1.488	0.0	59.601	1.41	0.0	54.088	1.698	0.0	95.559	1.682	0.0	95.779	1.594	0.0	95.027	1.431	0.0	94.487	1.68
42	403	404	SN	1	0.0	53.218	4.701	0.0	52.32	4.513	0.0	50.742	4.468	0.0	56.665	4.945	0.0	95.87	4.916	0.0	95.941	4.679	0.0	94.296	4.49	0.0	94.555	4.98
43	403	404	NS	1	0.0	50.558	2.539	0.0	48.133	2.711	0.0	59.493	2.246	0.0	50.995	3.189	0.0	50.271	2.528	0.0	95.402	2.704	0.0	60.101	2.236	0.0	50.561	3.189
44	403	404	NS	1	0.0	51.526	7.395	0.0	51.894	8.396	0.0	48.376	6.51	0.0	48.884	8.681	0.0	51.973	7.458	0.0	93.039	8.468	0.0	48.442	6.571	0.0	48.898	8.704
45	404	405	NS	1	0.0	51.257	3.928	0.0	54.775	4.951	0.0	48.095	4.909	0.0	56.414	11.913	0.0	51.128	3.95	0.0	54.737	4.958	0.0	48.359	4.856	0.0	56.679	11.834
46	404	405	SN	1	0.0	50.525	1.924	0.0	57.146	7.279	0.0	54.102	5.784	0.0	64.058	13.64	0.0	95.087	1.928	0.0	95.731	7.298	0.0	54.09	5.77	0.0	95.263	13.593
47	404	405	NS	1	0.0	54.205	11.433	0.0	53.141	13.978	0.0	58.585	13.617	0.0	55.485	26.087	0.0	54.053	11.53	0.0	53.051	14.055	0.0	59.216	13.609	0.0	55.622	26.03
48	404	405	SN	1	0.0	51.218	6.199	0.0	64.711	17.84	0.0	47.713	13.307	0.0	56.131	27.844	0.0	94.562	6.224	0.0	94.8	17.915	0.0	47.957	13.371	0.0	56.47	27.758
49	405	406	SN	1	0.0	50.257	2.967	0.0	48.596	2.871	0.0	46.944	2.252	0.0	52.593	2.726	0.0	50.587	3.124	0.0	49.565	2.987	0.0	95.756	2.287	0.0	52.3	2.726
50	405	406	NS	1	0.0	60.455	16.368	0.0	58.668	20.75	0.0	55.121	16.476	0.0	54.86	26.572	0.0	60.599	16.42	0.0	93.832	21.084	0.0	55.479	16.432	0.0	54.794	26.581
51	405	406	NS	1	0.0	57.361	5.67	0.0	58.982	7.344	0.0	55.888	6.076	0.0	52.279	11.712	0.0	95.155	5.768	0.0	95.206	7.402	0.0	55.723	6.056	0.0	90.914	11.714
52	405	406	SN	1	0.0	44.942	0.786	0.0	50.646	0.66	0.0	40.417	0.637	0.0	41.938	0.831	0.0	95.319	0.807	0.0	93.543	0.694	0.0	94.39	0.638	0.0	41.996	0.833
53	406	407	SN	1	0.0	49.645	2.046	0.0	48.738	1.854	0.0	50.192	1.833	0.0	48.543	1.782	0.0	95.413	2.087	0.0	94.464	1.866	0.0	50.148	1.824	0.0	48.509	1.778
54	406	407	SN	1	0.0	54.147	6.387	0.0	56.278	6.181	0.0	53.63	5.511	0.0	53.874	5.554	0.0	94.649	6.436	0.0	95.121	6.214	0.0	53.736	5.526	0.0	53.737	5.461
55	407	408	SN	1	0.0	53.91	1.962	0.0	91.732	2.032	0.0	54.009	1.925	0.0	51.131	2.432	0.0	95.165	1.975	0.0	94.356	2.03	0.0	54.127	1.918	0.0	50.769	2.433
56	407	408	NS	1	0.0	63.179	7.27	0.0	55.359	8.068	0.0	56.691	5.92	0.0	53.223	7.897	0.0	93.158	7.323	0.0	94.18	8.079	0.0	56.693	5.875	0.0	53.42	7.806
57	407	408	SN	1	0.0	52.548	6.213	0.0	60.744	6.365	0.0	62.446	5.851	0.0	51.184	6.645	0.0	52.117	6.213	0.0	94.226	6.365	0.0	62.763	5.922	0.0	51.303	6.638
58	407	408	NS	1	0.0	48.076	2.643	0.0	45.067	2.768	0.0	54.198	2.17	0.0	54.679	3.04	0.0	94.736	2.673	0.0	95.343	2.798	0.0	54.034	2.175	0.0	54.66	3.025
59	408	409	SN	1	0.0	51.971	1.441	0.0	53.194	1.524	0.0	44.555	1.409	0.0	47.938	1.832	0.0	51.329	1.433	0.0	52.933	1.499	0.0	44.491	1.402	0.0	47.657	1.837
60	408	409	SN	1	0.0	54.128	4.577	0.0	57.941	5.095	0.0	45.483	4.502	0.0	52.402	4.982	0.0	53.943	4.577	0.0	58.122	5.087	0.0	45.585	4.481	0.0	52.357	4.853
61	409	410	NS	1	0.0	52.928	0.878	0.0	48.639	1.154	0.0	51.814	0.903	0.0	46.925	1.369	0.0	91.819	0.929	0.0	93.602	1.166	0.0	93.989	0.914	0.0	47.006	1.348
62	409	410	NS	1	0.0	57.414	3.255	0.0	55.991	3.647	0.0	54.143	2.783	0.0	46.292	3.743	0.0	93.211	3.38	0.0	94.255	3.78	0.0	95.588	2.791	0.0	46.584	3.779
63	410	411	SN	1	0.0	52.23	2.202	0.0	45.449	2.044	0.0	47.655	1.799	0.0	44.835	2.157	0.0	95.09	2.221	0.0	92.789	2.034	0.0	47.604	1.796	0.0	44.81	2.138
64	410	411	NS	1	0.0	59.617	6.444	0.0	54.202	6.578	0.0	57.103	6.078	0.0	52.405	7.337	0.0	93.026	6.643	0.0	94.755	6.711	0.0	91.291	6.107	0.0	52.142	7.295
65	410	411	NS	1	0.0	45.284	2.33	0.0	51.575	2.114	0.0	46.591	2.204	0.0	50.83	2.406	0.0	95.271	2.411	0.0	95.563	2.169	0.0	46.445	2.195	0.0	50.985	2.41
66	410	411	SN	1	0.0	56.594	6.445	0.0	58.06	6.796	0.0	53.478	5.447	0.0	55.884	6.13	0.0	94.921	6.478	0.0	58.459	6.821	0.0	53.418	5.447	0.0	56.264	6.116
67	411	412	NS	1	0.0	49.354	6.685	0.0	63.947	6.712	0.0	51.436	5.084	0.0	49.479	6.059	0.0	94.743	6.743	0.0	95.606	6.887	0.0	51.646	5.112	0.0	49.655	6.109

Parameter Specifications	Parameters	SNR	Sigma0	Normal	Deviations
	Range	20.0	20.0		

68	411	412	NS	1	0.0	49.642	1.811	0.0	49.052	2.035	0.0	49.281	1.717	0.0	47.838	2.401	0.0	95.084	1.866	0.0	95.665	2.077	0.0	49.279	1.697	0.0	94.13	2.385
69	411	412	SN	1	0.0	53.913	8.097	0.0	94.857	8.099	0.0	51.727	6.3	0.0	59.555	7.351	0.0	95.771	8.32	0.0	94.799	8.248	0.0	95.625	6.3	0.0	59.279	7.365
70	411	412	SN	1	0.0	52.966	2.56	0.0	96.002	2.205	0.0	46.422	2.138	0.0	61.513	2.412	0.0	95.566	2.621	0.0	94.987	2.278	0.0	94.603	2.163	0.0	92.439	2.413
71	412	413	SN	1	0.0	97.592	8.225	0.0	92.093	7.61	0.0	58.112	7.228	0.0	59.47	6.168	0.0	95.016	8.713	0.0	95.872	7.95	0.0	95.172	7.327	0.0	95.368	6.218
72	412	413	NS	1	0.0	42.508	1.436	0.0	56.535	1.544	0.0	43.683	1.182	0.0	45.172	1.611	0.0	95.972	1.556	0.0	95.582	1.648	0.0	95.581	1.182	0.0	95.018	1.609
73	412	413	SN	1	0.0	99.659	2.766	0.0	90.308	2.285	0.0	60.729	2.173	0.0	47.846	1.916	0.0	95.768	3.022	0.0	95.86	2.521	0.0	95.432	2.182	0.0	94.656	1.939
74	412	413	NS	1	0.0	60.823	4.678	0.0	57.335	4.446	0.0	46.515	3.664	0.0	65.613	4.46	0.0	95.604	4.936	0.0	95.479	4.637	0.0	95.581	3.643	0.0	95.041	4.438
75	414	415	NS	1	0.0	56.909	5.186	0.0	49.816	6.373	0.0	55.833	4.503	0.0	54.133	6.473	0.0	95.696	5.436	0.0	95.327	6.49	0.0	94.984	4.539	0.0	95.362	6.452
76	414	415	NS	1	0.0	50.916	1.66	0.0	92.594	2.174	0.0	81.932	1.673	0.0	50.285	2.337	0.0	95.853	1.717	0.0	95.478	2.219	0.0	94.984	1.673	0.0	94.509	2.317
77	415	416	NS	1	0.0	52.893	6.077	0.0	46.62	6.747	0.0	52.824	5.526	0.0	46.073	7.07	0.0	95.403	6.302	0.0	95.315	6.797	0.0	94.8	5.561	0.0	45.907	7.048
78	415	416	SN	1	0.0	59.017	5.75	0.0	55.398	6.143	0.0	53.183	4.765	0.0	49.343	5.35	0.0	95.105	6.047	0.0	95.718	6.293	0.0	94.877	4.857	0.0	94.008	5.321
79	415	416	SN	1	0.0	57.165	1.702	0.0	50.861	1.652	0.0	54.999	1.526	0.0	41.529	1.603	0.0	95.432	1.765	0.0	95.022	1.667	0.0	94.503	1.537	0.0	94.001	1.594
80	415	416	NS	1	0.0	47.827	2.194	0.0	51.934	2.459	0.0	52.038	1.921	0.0	49.889	2.498	0.0	95.418	2.285	0.0	95.315	2.495	0.0	94.8	1.899	0.0	50.142	2.496
81	416	417	SN	1	0.0	57.343	1.231	0.0	45.417	1.168	0.0	43.126	1.112	0.0	49.055	1.299	0.0	95.544	1.342	0.0	95.622	1.214	0.0	95.075	1.126	0.0	95.143	1.299
82	416	417	NS	1	0.0	53.808	6.47	0.0	55.386	11.809	0.0	47.315	11.754	0.0	50.247	24.462	0.0	54.239	6.495	0.0	94.502	11.663	0.0	47.002	11.703	0.0	50.17	24.338
83	416	417	NS	1	0.0	48.755	2.029	0.0	50.991	4.404	0.0	51.083	4.564	0.0	52.077	11.603	0.0	93.836	2.025	0.0	94.393	4.391	0.0	51.088	4.544	0.0	51.934	11.558
84	416	417	SN	1	0.0	54.42	4.337	0.0	51.976	4.19	0.0	45.185	3.921	0.0	50.694	4.352	0.0	95.768	4.577	0.0	95.672	4.472	0.0	95.61	3.985	0.0	50.716	4.324
85	417	418	SN	1	0.0	53.72	1.471	0.0	50.912	1.584	0.0	50.899	1.688	0.0	48.491	1.899	0.0	95.893	1.656	0.0	95.829	1.734	0.0	95.324	1.753	0.0	95.7	1.89
86	417	418	NS	1	0.0	51.297	3.233	0.0	49.733	5.468	0.0	53.116	5.29	0.0	58.173	11.486	0.0	51.293	3.261	0.0	93.993	5.475	0.0	53.383	5.277	0.0	92.354	11.469
87	417	418	NS	1	0.0	51.76	10.295	0.0	74.757	15.738	0.0	50.131	13.929	0.0	51.515	26.347	0.0	52.453	10.33	0.0	93.833	15.756	0.0	50.452	13.869	0.0	51.526	26.279
88	417	418	SN	1	0.0	50.287	4.676	0.0	51.506	5.044	0.0	52.417	5.327	0.0	51.182	5.351	0.0	95.884	4.957	0.0	95.77	5.309	0.0	95.497	5.419	0.0	94.009	5.28
89	418	419	SN	1	0.0	43.424	2.924	0.0	44.39	3.52	0.0	51.326	3.075	0.0	45.83	4.073	0.0	95.7	3.156	0.0	95.412	3.628	0.0	94.98	3.104	0.0	46.005	4.023
90	418	419	SN	1	0.0	50.867	0.967	0.0	48.212	1.098	0.0	43.721	1.028	0.0	53.727	1.512	0.0	95.791	1.075	0.0	95.572	1.175	0.0	94.941	1.034	0.0	92.791	1.5

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	390	391	SN	1	0.0	46.48	23.865	0.0	47.628	23.585	0.0	28.452	12.134	0.0	23.935	12.336	0.0	1.837	0.0	0.0	1.832	0.0	0.0	2.179	0.0	0.0	2.171	0.0
2	390	391	SN	1	0.0	39.008	12.797	0.0	39.176	13.054	0.0	22.165	3.538	0.0	21.817	3.676	0.0	1.837	0.0	0.0	1.832	0.0	0.0	2.179	0.0	0.0	2.171	0.0
3	390	391	NS	1	0.0	44.291	24.405	0.0	46.1	25.187	0.0	27.641	16.316	0.0	30.845	16.452	0.0	1.879	0.0	0.0	1.889	0.0	0.0	2.222	0.0	0.0	2.234	0.0
4	390	391	NS	1	0.0	34.767	12.99	0.0	36.162	13.349	0.0	22.457	7.868	0.0	25.049	7.994	0.0	1.88	0.0	0.0	1.888	0.0	0.0	2.222	0.0	0.0	2.233	0.0
5	391	392	SN	1	0.0	45.278	24.012	0.0	47.17	23.648	0.0	29.61	12.177	0.0	24.321	12.408	0.0	1.837	0.0	0.0	1.832	0.0	0.0	2.18	0.0	0.0	2.171	0.0
6	391	392	SN	1	0.0	39.46	12.827	0.0	38.994	13.036	0.0	22.319	3.586	0.0	22.22	3.717	0.0	1.837	0.0	0.0	1.832	0.0	0.0	2.18	0.0	0.0	2.17	0.0
7	392	393	NS	1	0.0	36.78	12.772	0.0	38.528	13.395	0.0	22.551	6.61	0.0	24.729	6.944	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.221	0.0
8	392	393	NS	1	0.0	46.067	24.298	0.0	48.532	25.929	0.0	24.724	15.963	0.0	28.402	16.228	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.221	0.0
9	392	393	SN	1	0.0	39.454	12.824	0.0	39.463	13.065	0.0	22.247	3.601	0.0	22.418	3.713	0.0	1.837	0.0	0.0	1.832	0.0	0.0	2.18	0.0	0.0	2.171	0.0
10	392	393	SN	1	0.0	45.896	23.891	0.0	46.96	23.589	0.0	29.489	12.23	0.0	23.753	12.443	0.0	1.837	0.0	0.0	1.832	0.0	0.0	2.18	0.0	0.0	2.172	0.0
11	393	394	SN	1	0.0	39.454	12.826	0.0	39.457	13.09	0.0	22.292	3.628	0.0	22.43	3.749	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.18	0.0	0.0	2.171	0.0
12	393	394	SN	1	0.0	45.929	23.946	0.0	46.966	23.593	0.0	29.511	12.308	0.0	23.764	12.529	0.0	1.838	0.0	0.0	1.831	0.0	0.0	2.18	0.0	0.0	2.172	0.0
13	393	394	NS	1	0.0	45.399	24.163	0.0	47.892	25.858	0.0	24.696	15.792	0.0	28.171	15.918	0.0	1.862	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
14	393	394	NS	1	0.0	35.925	12.712	0.0	38.528	13.407	0.0	22.336	6.432	0.0	24.647	6.756	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
15	394	395	SN	1	0.0	39.46	12.815	0.0	39.463	13.068	0.0	22.016	3.658	0.0	221.507	3.749	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.18	0.0	0.0	2.171	0.0
16	394	395	SN	1	0.0	45.923	23.924	0.0	46.982	23.627	0.0	29.516	12.308	0.0	52.362	12.534	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.172	0.0
17	394	395	NS	1	0.0	45.383	23.938	0.0	47.876	24.754	0.0	26.014	15.227	0.0	28.154	14.518	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
18	394	395	NS	1	0.0	39.634	12.592	0.0	39.338	13.044	0.0	22.319	5.929	0.0	24.63	5.738	0.0	1.863	0.0	0.0	1.87	0.0	0.0	2.208	0.0	0.0	2.221	0.0
19	395	396	NS	1	0.0	45.372	23.924	0.0	47.854	24.738	0.0	26.009	15.242	0.0	27.233	14.526	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
20	395	396	NS	1	0.0	39.634	12.57	0.0	39.361	13.025	0.0	22.303	5.953	0.0	24.619	5.771	0.0	1.863	0.0	0.0	1.87	0.0	0.0	2.209	0.0	0.0	2.221	0.0
21	396	397	NS	1	0.0	39.65	12.58	0.0	38.87	13.01	0.0	23.025	5.945	0.0	24.509	5.791	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	396	397	NS	1	0.0	46.602	23.936	0.0	48.019	24.735	0.0	26.02	15.229	0.0	28.138	14.481	0.0	1.862	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
23	396	397	SN	1	0.0	46.376	23.849	0.0	47.021	23.537	0.0	30.344	12.294	0.0	23.814	12.518	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.18	0.0	0.0	2.169	0.0
24	396	397	SN	1	0.0	39.272	12.866	0.0	39.43	13.084	0.0	22.11	3.605	0.0	21.707	3.753	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.18	0.0	0.0	2.171	0.0
25	397	398	SN	1	0.0	46.431	23.88	0.0	47.043	23.587	0.0	29.538	12.207	0.0	23.841	12.472	0.0	1.837	0.0	0.0	1.832	0.0	0.0	2.18	0.0	0.0	2.169	0.0
26	397	398	NS	1	0.0	46.585	23.903	0.0	47.997	24.744	0.0	26.014	15.201	0.0	28.121	14.509	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.222	0.0
27	397	398	NS	1	0.0	39.65	12.567	0.0	38.875	13.026	0.0	23.009	5.924	0.0	24.498	5.86	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
28	397	398	SN	1	0.0	39.25	12.794	0.0	39.413	13.068	0.0	22.286	3.578	0.0	21.729	3.743	0.0	1.837	0.0	0.0	1.832	0.0	0.0	2.179	0.0	0.0	2.172	0.0
29	398	399	NS	1	0.0	39.678	12.537	0.0	38.881	13.044	0.0	23.014	5.92	0.0	24.492	5.904	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.221	0.0
30	398	399	NS	1	0.0	46.58	23.899	0.0	49.067	24.748	0.0	26.042	15.263	0.0	28.115	14.552	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.222	0.0
31	400	401	NS	1	0.0	45.51	23.901	0.0	47.975	24.867	0.0	25.766	15.172	0.0	28.446	14.673	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		

32	400	401	NS	1	0.0	39.275	12.582	0.0	39.096	13.037	0.0	22.81	5.911	0.0	24.851	5.803	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
33	401	402	SN	1	0.0	45.383	23.918	0.0	47.087	23.568	0.0	29.566	12.306	0.0	23.88	12.45	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.168	0.0
34	401	402	NS	1	0.0	46.547	23.87	0.0	49.034	24.848	0.0	26.058	15.131	0.0	28.088	14.714	0.0	1.861	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.222	0.0
35	401	402	NS	1	0.0	39.689	12.578	0.0	38.732	13.054	0.0	22.975	5.912	0.0	23.946	5.85	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.221	0.0
36	401	402	SN	1	0.0	39.228	12.754	0.0	39.385	13.118	0.0	22.314	3.622	0.0	22.529	3.762	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.18	0.0	0.0	2.172	0.0
37	402	403	SN	1	0.0	39.035	12.773	0.0	39.203	13.11	0.0	22.248	3.611	0.0	21.619	3.738	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.18	0.0	0.0	2.173	0.0
38	402	403	SN	1	0.0	46.475	23.893	0.0	47.109	23.661	0.0	29.56	12.189	0.0	24.266	12.507	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.173	0.0
39	402	403	NS	1	0.0	34.276	12.684	0.0	36.333	13.236	0.0	22.7	7.215	0.0	25.17	7.093	0.0	1.88	0.0	0.0	1.888	0.0	0.0	2.223	0.0	0.0	2.233	0.0
40	402	403	NS	1	0.0	43.756	24.126	0.0	45.482	24.809	0.0	26.626	15.592	0.0	29.621	15.274	0.0	1.88	0.0	0.0	1.888	0.0	0.0	2.221	0.0	0.0	2.234	0.0
41	403	404	SN	1	0.0	39.487	12.741	0.0	39.016	13.134	0.0	22.314	3.621	0.0	22.187	3.728	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.172	0.0
42	403	404	SN	1	0.0	45.857	23.787	0.0	45.868	23.604	0.0	30.702	12.226	0.0	23.488	12.351	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.17	0.0
43	403	404	NS	1	0.0	36.934	12.601	0.0	38.329	13.251	0.0	22.755	5.672	0.0	24.834	6.147	0.0	1.864	0.0	0.0	1.871	0.0	0.0	2.21	0.0	0.0	2.222	0.0
44	403	404	NS	1	0.0	46.519	23.697	0.0	47.936	25.007	0.0	25.209	14.612	0.0	27.172	15.03	0.0	1.864	0.0	0.0	1.872	0.0	0.0	2.209	0.0	0.0	2.222	0.0
45	404	405	NS	1	0.0	34.75	12.904	0.0	36.162	13.364	0.0	22.468	7.531	0.0	24.928	7.615	0.0	1.88	0.0	0.0	1.888	0.0	0.0	2.221	0.0	0.0	2.234	0.0
46	404	405	SN	1	0.0	36.829	12.691	0.0	38.238	12.883	0.0	24.299	4.385	0.0	22.209	4.409	0.0	1.857	0.0	0.0	1.849	0.0	0.0	2.196	0.0	0.0	2.186	0.0
47	404	405	NS	1	0.0	44.28	24.372	0.0	46.105	25.191	0.0	27.658	16.014	0.0	30.845	16.051	0.0	1.879	0.0	0.0	1.889	0.0	0.0	2.221	0.0	0.0	2.234	0.0
48	404	405	SN	1	0.0	43.932	24.612	0.0	45.929	25.196	0.0	27.884	13.499	0.0	25.59	14.214	0.0	1.857	0.0	0.0	1.849	0.0	0.0	2.196	0.0	0.0	2.187	0.0
49	405	406	SN	1	0.0	45.89	23.915	0.0	46.155	23.67	0.0	30.741	12.24	0.0	23.477	12.415	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.169	0.0
50	405	406	NS	1	0.0	44.269	24.516	0.0	46.083	25.44	0.0	26.544	16.414	0.0	30.834	16.62	0.0	1.88	0.0	0.0	1.888	0.0	0.0	2.221	0.0	0.0	2.234	0.0
51	405	406	NS	1	0.0	34.733	12.956	0.0	36.945	13.363	0.0	23.202	8.005	0.0	24.917	8.114	0.0	1.88	0.0	0.0	1.888	0.0	0.0	2.222	0.0	0.0	2.233	0.0
52	405	406	SN	1	0.0	38.809	12.788	0.0	38.988	13.118	0.0	22.325	3.599	0.0	21.668	3.74	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.172	0.0
53	406	407	SN	1	0.0	39.476	12.76	0.0	39.474	13.118	0.0	22.247	3.627	0.0	22.424	3.735	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.173	0.0
54	406	407	SN	1	0.0	45.918	23.969	0.0	45.19	23.596	0.0	29.494	12.301	0.0	23.759	12.521	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.172	0.0
55	407	408	SN	1	0.0	39.465	12.764	0.0	39.187	13.143	0.0	22.248	3.64	0.0	22.435	3.779	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.173	0.0
56	407	408	NS	1	0.0	45.399	24.31	0.0	47.887	25.907	0.0	24.702	15.727	0.0	27.244	16.165	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
57	407	408	SN	1	0.0	45.289	23.876	0.0	45.201	23.716	0.0	29.467	12.291	0.0	23.764	12.527	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.182	0.0	0.0	2.169	0.0
58	407	408	NS	1	0.0	35.941	12.782	0.0	38.528	13.403	0.0	22.352	6.488	0.0	24.647	6.909	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.221	0.0
59	408	409	SN	1	0.0	39.449	12.738	0.0	38.79	13.143	0.0	22.341	3.666	0.0	21.679	3.807	0.0	1.839	0.0	0.0	1.832	0.0	0.0	2.182	0.0	0.0	2.172	0.0
60	408	409	SN	1	0.0	45.295	23.909	0.0	45.223	23.699	0.0	29.5	12.228	0.0	23.781	12.512	0.0	1.839	0.0	0.0	1.832	0.0	0.0	2.182	0.0	0.0	2.169	0.0
61	409	410	NS	1	0.0	39.496	12.595	0.0	39.327	13.008	0.0	22.286	5.86	0.0	23.692	5.714	0.0	1.863	0.0	0.0	1.87	0.0	0.0	2.209	0.0	0.0	2.221	0.0
62	409	410	NS	1	0.0	46.023	23.899	0.0	47.859	24.786	0.0	25.998	15.011	0.0	27.233	14.583	0.0	1.861	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
63	410	411	SN	1	0.0	39.432	12.742	0.0	38.961	13.124	0.0	22.336	3.657	0.0	22.468	3.802	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.174	0.0
64	410	411	NS	1	0.0	45.995	23.918	0.0	47.854	24.771	0.0	26.014	15.032	0.0	27.228	14.618	0.0	1.86	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
65	410	411	NS	1	0.0	39.512	12.587	0.0	39.355	13.045	0.0	22.071	5.919	0.0	24.134	5.739	0.0	1.863	0.0	0.0	1.87	0.0	0.0	2.208	0.0	0.0	2.221	0.0
66	410	411	SN	1	0.0	45.361	23.955	0.0	45.251	23.658	0.0	29.544	12.257	0.0	23.808	12.575	0.0	1.839	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.169	0.0
67	411	412	NS	1	0.0	45.339	23.851	0.0	47.837	24.542	0.0	25.838	15.031	0.0	27.228	14.398	0.0	1.86	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.222	0.0
68	411	412	NS	1	0.0	39.512	12.603	0.0	39.366	12.972	0.0	22.054	5.884	0.0	24.123	5.704	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		

69	411	412	SN	1	0.0	45.99	23.936	0.0	45.273	23.649	0.0	29.533	12.251	0.0	23.825	12.532	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.173	0.0
70	411	412	SN	1	0.0	39.41	12.731	0.0	38.933	13.157	0.0	22.297	3.645	0.0	22.485	3.786	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.174	0.0
71	412	413	SN	1	0.0	46.414	23.867	0.0	44.776	23.627	0.0	30.36	12.332	0.0	23.841	12.493	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.171	0.0
72	412	413	NS	1	0.0	39.518	12.594	0.0	39.366	13.103	0.0	22.441	5.882	0.0	24.702	5.853	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.221	0.0
73	412	413	SN	1	0.0	39.25	12.735	0.0	39.413	13.141	0.0	21.911	3.639	0.0	21.74	3.76	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.181	0.0	0.0	2.174	0.0
74	412	413	NS	1	0.0	45.962	23.866	0.0	47.821	24.742	0.0	25.832	15.026	0.0	27.669	14.543	0.0	1.861	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.222	0.0
75	414	415	NS	1	0.0	45.482	23.909	0.0	47.98	24.717	0.0	26.042	15.045	0.0	27.2	14.524	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	414	415	NS	1	0.0	39.253	12.588	0.0	38.908	13.014	0.0	22.81	5.874	0.0	24.856	5.767	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.221	0.0
77	415	416	NS	1	0.0	46.536	23.918	0.0	47.969	24.723	0.0	26.042	15.015	0.0	27.2	14.601	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.208	0.0	0.0	2.222	0.0
78	415	416	SN	1	0.0	45.24	23.891	0.0	45.819	23.668	0.0	29.582	12.206	0.0	24.249	12.486	0.0	1.838	0.0	0.0	1.832	0.0	0.0	2.182	0.0	0.0	2.173	0.0
79	415	416	SN	1	0.0	39.057	12.74	0.0	39.231	13.164	0.0	22.336	3.645	0.0	22.154	3.772	0.0	1.839	0.0	0.0	1.832	0.0	0.0	2.182	0.0	0.0	2.173	0.0
80	415	416	NS	1	0.0	39.088	12.606	0.0	38.919	13.021	0.0	22.81	5.886	0.0	24.845	5.778	0.0	1.863	0.0	0.0	1.871	0.0	0.0	2.209	0.0	0.0	2.221	0.0
81	416	417	SN	1	0.0	39.515	12.722	0.0	39.06	13.188	0.0	22.236	3.595	0.0	22.352	3.787	0.0	1.839	0.0	0.0	1.833	0.0	0.0	2.182	0.0	0.0	2.173	0.0
82	416	417	NS	1	0.0	43.723	24.19	0.0	45.482	24.878	0.0	26.985	15.713	0.0	29.627	15.302	0.0	1.88	0.0	0.0	1.888	0.0	0.0	2.222	0.0	0.0	2.234	0.0
83	416	417	NS	1	0.0	34.248	12.651	0.0	37.105	13.115	0.0	22.501	7.176	0.0	24.365	7.023	0.0	1.88	0.0	0.0	1.888	0.0	0.0	2.222	0.0	0.0	2.233	0.0
84	416	417	SN	1	0.0	45.824	23.81	0.0	45.096	23.654	0.0	29.45	12.16	0.0	211.462	12.508	0.0	1.839	0.0	0.0	1.832	0.0	0.0	2.182	0.0	0.0	2.171	0.0
85	417	418	SN	1	0.0	38.848	12.738	0.0	39.027	13.182	0.0	21.961	3.62	0.0	22.181	3.774	0.0	1.839	0.0	0.0	1.832	0.0	0.0	2.182	0.0	0.0	2.174	0.0
86	417	418	NS	1	0.0	34.27	12.737	0.0	36.068	13.164	0.0	22.474	7.183	0.0	24.856	7.117	0.0	1.88	0.0	0.0	1.888	0.0	0.0	2.223	0.0	0.0	2.234	0.0
87	417	418	NS	1	0.0	43.767	24.13	0.0	45.466	24.944	0.0	26.979	15.515	0.0	30.47	15.435	0.0	1.88	0.0	0.0	1.889	0.0	0.0	2.223	0.0	0.0	2.234	0.0
88	417	418	SN	1	0.0	45.857	23.835	0.0	45.113	23.635	0.0	29.461	12.245	0.0	23.709	12.472	0.0	1.839	0.0	0.0	1.834	0.0	0.0	2.182	0.0	0.0	2.171	0.0
89	418	419	SN	1	0.0	45.852	23.792	0.0	44.66	23.693	0.0	29.919	12.301	0.0	23.312	12.47	0.0	1.839	0.0	0.0	1.833	0.0	0.0	2.182	0.0	0.0	2.172	0.0
90	418	419	SN	1	0.0	38.804	12.72	0.0	39.496	13.17	0.0	23.582	3.636	0.0	22.203	3.768	0.0	1.839	0.0	0.0	1.832	0.0	0.0	2.182	0.0	0.0	2.175	0.0

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