

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

Report between 24-OCT-2016 To 25-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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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
19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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

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

32	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
33	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
34	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
35	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
36	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
37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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

Parameter Specifications	Parameters	SNR	Sigma0	Normal	Deviations
	Range	20.0	20.0		

68	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
69	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
70	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
71	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
72	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
73	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
74	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
75	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
76	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
77	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

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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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
19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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

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

32	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
33	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
34	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
35	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
36	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
37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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

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

69	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
70	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
71	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
72	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
73	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
74	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
75	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
76	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
77	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

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