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Nov 00

SUDDEN IONOSPHERIC DISTURBANCES
NOVEMBER 2000

Day	Start (UT)	Max (UT)	End (UT)	Imp	Wide Spread Index	Number of Station Reports by Type					Flare (UT)	X-ray Class	NOAA Region
						SWF	SEA	SPA	LF-SPA	SES			
01	1300	1309	1338	1-	5		1			2	1302	C3.2	
01	1542	1545	1604	1	3					2	1551	C2.2	
01	1552	1554	1615	1	1					1	1551	C2.2	
01	1836	1843	1907	1+	3					4	1831	C3.8	9218
02	0912	0926	0954	1	1		1				No flare		
02	1833	1843	1922	2	3					2	1826	C2.5	9212
03	1848	1900	1924	2	1					1	1835	C3.2	9213
03	2057	2100	2126	1+	3					2	2058	C5.3	9209
04	0721	0725	0731	2-	3					2	0719	C3.9	
04	0738	0741	0918	2+	1					1	0736	C5.0	9212
04	1024	1032	1117	2	3					2	1026	C3.4	
04	1057	1104	1122	1	1		1				*		
04	1204	1215	1253	1	1		1				*		
05	1547	1600	1630	2	1					1	1539	C2.9	
07	1049	1055	1113	1-	3		1			3	1048	C4.2	
07	1159	1203	1215	3	5	1	2	1		3	1155	M1.6	9213
07	1629	1632	1656	1+	3					2	1624	C2.2	
08	0607D	0612	0622	1-	1					1	No flare		
08	0745	0750	0813	2-	3					2	0749	C4.0	
08	0952	0956	1004	3	5	1	2	1		4	0948	M1.5	
08	1105	1108	1115	1-	1					1	No flare		
08	1137	1144	1211	1+	3		1			3	1136	C5.7	
08	1620	1625	1710	2-	3					3	1622	M2.9	
08	1808	1811	1839	1+	3					2	1810	C6.8	
08	1947	1949	2045	2+	1					1	1945	C6.1	
09	0601	0608	0707	2	3					2	0601	M1.2	
09	1132	1139	1213	1	3		1			1	*		
09	1410	1428	1450	2	1		1				No flare		
09	1552	1604	1620	1+	5					3	1545	M1.0	9221
09	2116	2120	2156	2	1					1	2113	C6.4	9215
10	1208	1228U	1316	1	1		1				1218	C2.4	
11	0739	0743	0802	1	1					1	0736	C2.9	
11	1507	1513	1537	1+	1					1	No flare		
12	1416	1459U	1524	1	1		1				1405	C4.4	9227
13	1521	1547	1617	3	1		1				No flare		
14	0535	0540	0558	1	1					1	0534	C2.0	
14	0753	0806	0843	2	3		1			3	0752	C7.1	9231
14	1452	1454	1500	1-	1					1	1448	C1.4	9231
14	1503	1509	1522	1	1					1	1500	C2.0	9231
14	1627	1634	1740	2	3					4	1619	M1.0	
15	1815	1817	1845	1+	3					2	1815	C1.7	9231
16	0710	0722	0741	1	1		1				No flare		
16	0752	0805	0814U	1	1		1				No flare		
16	0820	0833	0848	2	1		1				No flare		
16	2133	2145	2245	2+	1					1	2130	C3.5	9235
17	0512	0517	0532	2	1					1	No flare		
17	0858	0917U	1003	2	1		1				No flare		
17	1055	1105	1140	2	1					1	1054	C2.3	9231
17	1545	1548	1715	3	1					1	No flare		
18	1056	1100	1122	3-	5	1	1	1		3	1051	M1.5	9231
18	1311	1311U	1311D	2+	5		1	1		6	1302	M1.5	9235
18	1650	1655	1750	2	3					4	1645	C5.9	
19	0934	0943	1026	2-	1					1	0933	C1.7	
19	1408	1413	1446	1+	5					3	1403	C2.4	

* = no flare patrol.

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						SWF	SEA	SPA	LF-SPA	SES			
20	0810	0832	0856	1	1		1				0812	C1.6	
20	1255	1320	1335	2	1					1	1255	C2.1	9231
21	1420	1445	1450	1+	1					1	1422	C2.4	9237
21	1906	1909	2030	2+	1					1	No flare		
21	1917	1923	2028	2+	3					3	1913	M1.6	9237
22	0759	0813	0818	1+	3		1			1	0803	C2.7	9236
22	0828	0845	0920	2	1		1				0828	C2.4	9240
22	1005	1038	1118	1	1		1				No flare		
22	1616	1621	1634	1-	3					4	1616	C7.0	9236
22	1633	1635	1707	1+	3					2	1630	C2.6	9236
23	0406	0408	0430	1	1					1	0407	C2.9	9231
23	0535	0542	0630	2+	1					1	0534	C5.4	9238
23	0920	0925	0930	1-	1					1	0921	C2.4	9231
23	1422	1429	1454	1	5		1			3	1419	C7.5	9231
24	0458	0500	0539	2	1					1	0455	X2.0	9236
24	0725	0740	0815	2+	1					1	0736	C4.2	9236
24	0904	0912	0935	1	1		1				No flare		
24	1154	1215	1258	1	1		1				No flare		
24	1306	1411U	1426	1	1		1				1315	C2.6	9236
24	1450	1505	1604	2	5		1			5	1451	X2.3	9236
24	1504	1515	1606	2+	5		1			2	1451	X2.3	9236
24	1537	1545	1607	1+	1					1	1544		9231
24	1630	1645	1715	2	1					1	1639		9231
24	2156	2159	2252	2	1					1	2143	X1.8	9236
25	0558	0605	0645	2+	1					1	No flare		
25	0908	0932	1018	3	5		1	2	1	4	0906	M3.5	9236
25	1419	1422	1433	1-	1					1	1416	C2.1	
25	1533	1536	1545	1-	3					4	1529	C3.3	9236
25	1551	1553	1610	1	3					3	1547	C1.9	9236
25	1714	1721	1802	2	3					4	1712	C3.2	9236
25	1835	1839	1943	2+	3					4	1833	X1.9	9236
25	1940	1946	2006	1	1					1	No flare		
26	0944	0949U	1025	1	1		1				0951		9236
26	1510	1513	1527	1-	3					3	1508	C2.2	9236
26	1537	1539	1600	1	1					1	1537		9236
26	1637	1645	1806	2+	5					5	1634	X4.0	9236
27	2045	2048	2137	2+	1					1	2041	C4.4	9242
28	1200	1221U	1359	1	1		1				No flare		
29	0622	0626	0705	2-	1					1	0619	C9.1	9246
29	0858	0905	0934	1	1		1				0843	C2.2	9246
29	1045	1102	1142	1	1		1				No flare		
29	1143	1145	1204	1	1		1				No flare		
29	1207	1222	1313	1+	3		1			1	1205	C6.4	9246
29	1443	1455	1534	2	1		1				1459	C1.7	9246
29	1909	1910	1930	1	1					1	1907	C2.3	9246
30	0858	0910	1005	2-	3		1			2	0900	M1.0	
30	0903	0928	1013	2+	1					1	0900	M1.0	
30	1306	1315	1354	1	1		1				*		
30	1331	1335	1344	1-	1					1	1326	C2.4	
30	1405	1412	1424	1-	5		1			2	1402	C3.7	

OBSERVATORIES REPORTING FOR NOVEMBER 2000

Cambridge, England, UK	SES	New Milford, New York, USA	SES
Edenvale, Rep of S. Africa	SES	Panska Ves, Czech Republic	SES, SEA, SWF
Houston, Texas, USA	SES	Parma, Ohio, USA	SES
Hudson, Ohio, USA	SES	Sofia, Bulgaria	SES
Isola del Gran Sasso, Italy	SES	Upice, Czech Republic	SEA
Koniz, Switzerland	SES		

Observations are not necessarily continuous.