

SUDDEN IONOSPHERIC DISTURBANCES

SEPTEMBER 2003

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	0758	0808	0822	1	1		1				No flare		
01	1350	1425	1436D	2+	1					1	1407	B4.1	10444
02	1314	1319	1340	1+	1					1	*		
03	0643	0703U	0730	1	1		1				No flare		
03	0917	0925	0949	1	1		1				No flare		
04	1430	1438	1530	2+	1					1	1425	C1.4	10452
04	1749	1804	1836	1	1		1				No flare		
05	1251	1304	1322	1+	1					1	1248	C1.2	
06	0917	0927	1023	1	1		1				*		
07	0852	0919	0931	1	1		1				No flare		
07	0938	0945	1009	1	1		1				No flare		
07	1355	1400	1430	2	1					1	1338	C5.3	10450
07	1403	1414	1548	2+	5		1			1	1338	C5.3	10450
08	0642	0647	0843	1	1		1				No flare		
09	0653	0705	0720	1	1		1				No flare		
09	1334	1346	1427	1	1		1				No flare		
10	0804	0820	0849	1	1		1				No flare		
11	1158	1211	1311	1	1		1				*		
11	1352	1409	1514	1	1		1				1348	C1.0	
12	0831	0845U	0910	1	1		1				No flare		
12	0906	0921	0947D	2	1					1	1912	B4.0	
12	0947	0950U	1016	1+	1					1	No flare		
13	0705	0707	0727	1	1					1	0654	B8.8	10456
13	0736	0742	0808	2-	5					4	0732	C2.2	10456
14	0124	0127	0138	1-	3					2	0115	C4.4	10456
15	0434U	0452	0534	2+	1					1	0456	C1.0	
15	0638	0645	0706D	1+	1					1	0650	B4.9	
15	0706E	0712	0741	2	1					1	0704	B5.5	
15	0737	0814U	1027	2	1		1				0736	B9.1	
15	1341	1407	1524	2	1		1				No flare		
15	1436	1452	1521	2	1					1	1427	C2.9	
16	0520	0525	0549	1+	3					2	0518	C1.4	
16	0758	0807	0840	1	1		1				0756	B5.9	
16	0854	0902	0942	1+	5		1			5	0852	C1.8	
16	1142	1204	1336	2	1		1				No flare		
16	1251	1253	1312	1	1					1	1251	B7.3	
16	2159	2230	2320	2+	1					1	2130	M1.3	
17	1020	1043	1103	1	1		1				No flare		
18	1549	1601	1625	1	1		1				No flare		
18	1630	1640	1732	1	1		1				No flare		
19	0924	0932	0952	1	1		1				No flare		
19	1445	1455	1518	1	1		1				No flare		
20	0508	0514	0542	2-	3					2	0503	C3.0	
20	0630	0644	0710	2-	3					2	0630	C1.7	
20	1134	1141	1213	2	1					1	1034	C1.3	
20	1526	1538	1619	2-	5		1			1	1524	C3.6	
22	1257	1307	1345	1	1		1				1313	B4.9	

* = no flare patrol.

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Sep 03

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						SWF	SEA	SPA	LF- SPA	SES			
23	0851	0903	0948	2	1		1				No flare		
23	1444	1447	1514	1+	1					1	1440	C2.1	10464
24	0434	0438	0509	2-	3					2	0431	C2.1	10464
24	0621E	0625U	0634U	1-	1					1	0622	C1.2	10464
24	0714	0725	0759	2	3		1			2	0712	C5.4	10464
24	0853	0856	0908	1-	1					1	0851	C2.0	10464
24	0916	0925	0957	2	1		1				0936	C1.4	10464
24	1138	1153	1219	2-	3		1			1	1153	C1.4	10464
24	1330	1343	1512	1	1		1				No flare		
25	0525	0529	0623	1	1		1				No flare		
28	1412	1426U	1446	1	1		1				1410	C2.3	
28	1507	1516	1636	1	1		1				1525	C6.8	10464
29	0352	0401	0441	2+	1					1	0343	C1.8	
29	0501	0510	0559	2+	1					1	0500	C3.9	
29	1224	1240	1321	1	1		1				*		
29	1326	1341	1441	2-	5		1			1	1320	C3.3	
29	1507	1510	1548	2	1					1	No flare		
29	1609	1620	1635	1	1		1				1605	C5.1	10464
29	1945	1956	2052	2+	1					1	1941	C3.8	10464
29	2145	2148	2248	2+	1					1	2141	C5.4	10464
30	0319	0339	0420	2+	1					1	0314	C5.1	10464
30	0511	0516	0557	2	3					2	0507	C3.3	10464
30	0757	0801	0838	2	3					2	0737	C2.8	10464
30	0848	0854	0931	2-	3					2	0846	C3.2	10464
30	0927	0941	1007	1	1		1				No flare		
30	1028	1042	1114	1	1		1				*		
30	1119	1210	1308	2	1		1				*		
30	2013	2019	2122	2+	1					1	2009	C4.9	10471

* = no flare patrol.

OBSERVATORIES REPORTING FOR SEPTEMBER 2003

Calcutta, India	SES	Perth, Australia	SES
Edenvale, Rep of S. Africa	SES	Sofia, Bulgaria	SES
Hudson, Ohio, USA	SES	Sussex, United Kingdom	SES
Isola del Gran Sasso, Italy	SES	Upice, Czech Republic	SEA
Kirksville, Mississippi, USA	SES	Villiersdorp, South Africa	SES
Panska Ves, Czech Republic	SES, SEA, SWF		

Observations are not necessarily continuous.