MAGNETIC STORM SUDDEN COMMENCEMENTS AND SOLAR FLARE EFFECTS (PRELIMINARY REPORT ON RAPID MAGNETIC VARIATIONS)

APRIL 2001

Storm Sudden Commencements (SSC)

Day	Time	Quality: Station Group*
04	1455	A: NGK* VAL* CLF* NAG* SPT* GUI* ETT HER
		B: NUR* BDV* HRB* EBR HTY*
		C: GCK* GNA CNB
08	1101	A: VAL* NAG* MMB* EBR KAK* KNY* ETT
		B: NUR BDV* SPT* HER*
		C: NGK* HRB GCK* HTY*
11	1343	A: MMB KAK HTY KNY
		B: GCK
		C: BDV EBR ETT
		sfe: NGK+
11	1519	A: VAL
		B: BDV HRB NAG HER*
		C: NGK CLF EBR
13	0734	A: VAL* GUI ETT
		B: NAG* MMB* KAK HTY KNY
		C: NGK* BDV SPT* GNA CNB
18	0046	A: NGK* CLF* NAG* EBR* SPT* GUI
		B: BDV* HRB GCK* MMB* KAK* HTY* KNY* ETT HER
21	1601	A: NAG SPT* GUI
		B: NUR* BDV HRB MMB EBR KAK HTY KNY ETT HER*
		C: NGK* CLF GCK
		si: VAL
28	0500	A: NGK* VAL* CLF* NAG* MMB* EBR* SPT* KAK HTY KNY GUI ETT HER*
		B: NUR* BDV HRB* GCK*
		C: GNA* CNB*

Solar Flare Effects (sfe)

Day	Begin-End	Station(s)
02	1104-1137	GUI
02	2139-2205	MMB+ KAK+ KNY+
03	1231-1245	BDV+
10	0509-0610	MMB+ KAK+ KNY+ ETT
11	0026-0045	MMB+ KAK+ KNY+
11	1344-1402	NGK+ (see SSC)
15	1343-1436	NGK+ BDV+ HRB NAG EBR SPT HER(si: GUI)
25	0505-0525	MMB+ KAK+ KNY+
25	1343-1430	BDV+ GUI
26	1306-1328	NGK+ BDV+ EBR (ssc: GCK, si: GUI)

REPORTING OBSERVATORIES (up to the 5th of June 2001):
NUR NGK VAL BDV CLF HRB NAG GCK MMB EBR SPT KAK HTY KNY GUI ETT GNA HER CNB

Three-letter codes identify each observatory. Reporting stations have been grouped by the character of the observed event. The letter A means very remarkable; B means fair, but unmistakable; C means very poor, doubtful; and - means no quality figure given. The * means that the SSC, at least in one component, was preceded by a small reversed impulse. SSCs are given only when five or more stations report the event. SFEs include all reports. If an SFE is confirmed by solar or ionospheric events, the name of the station is identified with a plus sign (+).