

HFUS 3 BOU 110600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 345A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 11 DEC 1977

IA. SOLAR ACTIVITY REMAINS AT A MODERATE LEVEL. THE DYNAMIC BEHAVIOR OF REGION 950 (S26W01) HAS DECLINED SLIGHTLY; HOWEVER, AN IMPORTANCE IN FLARE, ACCCOMPANIED BY A C-9 X-RAY BURST, WAS OBSERVED IN REGION 950 AT 110035 U.T. CULGOORA NOTED THAT BOTH SPOT COUNT AND SPOT AREA ARE SLOWLY DECREASING. A DELTA CONFIGURATION AND VERY COMPLEX NEUTRAL LINE CHARACTERIZES THIS REGION. THE OTHER DISK REGIONS AND THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY WILL REMAIN AT A MODERATE LEVEL.

II. THE GEOMAGNETIC FIELD IS QUIET. DISTURBED CONDITIONS ARE EXPECTED LATER TODAY AND THE FIELD SHOULD BE GENERALLY ACTIVE FOR THE NEXT 36 TO 48 HOURS.

III. EVENT PROBABILITIES 11-13 DEC

CLASS M 70/70/70

CLASS X 30/30/30

PROTON 30/30/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 DEC 118

PREDICTED 11-13 DEC 119/119/119

90-DAY MEAN 10 DEC 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 DEC 03

ESTIMATED AFR/AP 10 DEC 03/04

PREDICTED AFR/AP 11-13 DEC 25/25 - 20/20 - 15/15

SOLTERWARN

BT

HFUS 3 BOU 111500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 345A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 11 DEC 1977

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 7 HOURS. NO SIGNIFICANT CHANGES HAVE BEEN NOTED IN DISK OR LIMB ACTIVITY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH REGION 950 (S25W03) STILL CAPABLE OF MAJOR ACTIVITY.

II. THE GEOMAGNETIC FIELD BECAME ACTIVE REACHING MINOR STORM LEVELS ABOUT 0900Z. ACTIVE CONDITIONS ARE EXPECTED TO PERSIST THROUGH THE NEXT 36-48 HOURS. INTERMITTENT MINOR STORM CONDITIONS ARE EXPECTED DURING THAT PERIOD.

III. EVENT PROBABILITIES 11 DEC-13 DEC

CLASS M	70/70/70
CLASS X	30/30/30
PROTON	30/30/30
PCAF	YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED	10 DEC 118
PREDICTED	11-13 DEC 119/119/119
90-DAY MEAN	10 DEC 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	9 DEC 03
ESTIMATED AFR/AP	10 DEC 03/04
PREDICTED AFR/AP	11-13 DEC 35/45 - 20/25 - 15/15
SOLTERWARN	

BT

HFUS 1 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 345

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. ALL REGIONS HAVE
BEEN RELATIVELY QUIET AND STABLE. REGION 950 (S25W10) CONTINUES TO
PRODUCE C-CLASS FLARES WITH THE LARGEST A C-9. NEW REGION 957
(N17E74) HAS APPEARED AND HAS SHOWN SOME SLIGHT GROWTH.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH A GOOD
CHANCE OF MAJOR ACTIVITY FROM REGION 950.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AND IS EXPECTED TO
REMAIN SO THROUGH THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 12 DECEMBER - 14 DECEMBER

CLASS M 70/70/40

CLASS X 30/30/10

PROTON 30/30/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 DECEMBER 111

PREDICTED 12-14 DECEMBER 110/108/106

90-DAY MEAN 11 DECEMBER 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 DECEMBER 05

ESTIMATED AFR/AP 11 DECEMBER 33/36

PREDICTED AFR/AP 12-14 DECEMBER 15/18 - 10/12 - 08/10

SOLTERWARN

BT