

HFUS 3 BOU 050530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 339A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 05 DECEMBER 1977

IA. SOLAR ACTIVITY REMAINS AT A VERY LOW LEVEL WITH ALL REGIONS  
REPORTED AS QUIET. MINOR PLAGE BRIGHTNESS FLUCTUATIONS HAVE BEEN  
REPORTED IN REGIONS 946 (N15W37), 947 (S20E14) AND 949 (N16W11)  
ALONG WITH WEAK ARCH FILAMENT SYSTEMS. SOME SURGE ACTIVITY WAS  
REPORTED EARLIER IN REGION 947.

IB. SOLAR ACTIVITY WILL CONTINUE AT A VERY LOW LEVEL THRU THE  
FORECAST PERIOD. CLASS C TYPE FLARES ARE EXPECTED AT A RATE OF 1  
PER DAY THRU THE NEXT 3 DAYS. CLASS M EVENTS ARE POSSIBLE FROM  
REGION 947 AND THIS REGION SHOULD BE MONITORED FOR SIGNS OF  
REJUVENATION.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AT GEOSTATIONARY SATELLITE  
ALTITUDES AND AT HIGH LATITUDES THE PAST 12 HOURS, HOWEVER, CONDITIONS  
AT MID LATITUDES HAVE BEEN GENERALLY UNSETTLED. BRIEF ACTIVE PERIODS  
ARE EXPECTED DECREASING TO GENERALLY QUIET CONDITIONS IN THE NEXT  
24 HOURS.

III. EVENT PROBABILITIES 05 DECEMBER - 07 DECEMBER

CLASS M 15/15/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 DECEMBER 99

PREDICTED 05-07 DECEMBER 100/101/103

90-DAY MEAN 04 DECEMBER 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 DEC 09

ESTIMATED AFR/AP 04 DECEMBER 08/11

PREDICTED AFR/AP 05-07 DECEMBER 10/12 - 08/10 - 08/10

SOLTERWARN

BT

HFUS 3 BOU 051500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 339B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 05 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST EIGHT HOURS. REGIONS  
946 (N17W42) AND 949 (N17W17) HAVE SHOWN GROWTH THRU THE PERIOD AND  
ARE NOW REPORTED AS D TYPE GROUPS. REGION 947 (S20E09) REMAINS  
A STABLE E TYPE GROUP.

IB. SOLAR ACTIVITY SHOULD REMAIN VERY LOW. CHANGE WITHIN REGION  
947 AND CONTINUED GROWTH IN 946 AND 949 COULD INCREASE THE PROBABILITY  
OF ENERGETIC FLARES.

II. THE GEOMAGNETIC FIELD WAS VERY DISTURBED AT HIGH LATITUDES BETWEEN  
06/0600-1030Z WITH MAJOR STORM LEVELS RECORDED. THE MAGNETIC FIELD  
HAS RETURNED TO GENERALLY UNSETTLED LEVELS AND UNSETTLED TO QUIET  
CONDITIONS MAY BE EXPECTED THRU THE REST OF THE PERIOD.

III. EVENT PROBABILITIES 05 DECEMBER - 07 DECEMBER

CLASS M 15/15/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 DECEMBER 99

PREDICTED 05-07 DECEMBER 100/101/103

90-DAY MEAN 04 DECEMBER 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 DEC 09

ESTIMATED AFR/AP 04 DECEMBER 08/11

PREDICTED AFR/AP 05-07 DECEMBER 17/30 - 08/10 - 08/10

SOLTERWARN

BT

HFUS 1 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 339

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 05 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. A NUMBER OF SUBFLARES HAVE  
BEEN REPORTED THROUGHOUT THE DAY. REGION 947 (S20E01) WAS THE  
SOURCE OF MOST ACTIVITY AND TO A LESSER DEGREE REGION 946 (N17W49).  
A NEW REGION IS PRESENT (950 AT S25E80) AND APPEARS TO BE A B TYPE  
GROUP. OTHER DISK REGIONS AND THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY SHOULD REMAIN VERY LOW TO LOW. SUBFLARES ARE  
EXPECTED TO CONTINUE FROM REGION 947. WITHOUT SIGNIFICANT GROWTH  
OR RESTRUCTURING OF PRESENT REGIONS CLASS M X-RAY FLARES ARE NOT  
PROBABLE.

II. THE GEOMAGNETIC FIELD WAS VERY DISTURBED AT HIGH LATITUDES FROM  
06/0600-1030Z. THE FIELD HAS RETURNED TO GENERALLY UNSETTLED LEVELS  
SINCE. THE MAGNETIC FIELD SHOULD BE GENERALLY UNSETTLED THRU THE  
PERIOD WITH A MINOR RECURRENT DISTURBANCE EXPECTED LATE ON THE LAST  
DAY.

III. EVENT PROBABILITIES 06 DECEMBER - 08 DECEMBER

CLASS M 15/15/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 DECEMBER 100

PREDICTED 06-08 DECEMBER 101/101/102

90-DAY MEAN 05 DECEMBER 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 DECEMBER 11

ESTIMATED AFR/AP 05 DECEMBER 15/25

PREDICTED AFR/AP 06-08 DECEMBER 08/10 - 08/10 - 10/12

SOLTERWARN

BT