

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 (N 15W 37), 947 (S 20E 14) AND 949 (N 16W 11)
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 99

ESTIMATED AFR/AP 04 DECEMBER 08/11

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

SOLIERWARN

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 05/0600-1030Z 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 05/0600-1030Z. 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 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

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