

HFUS 3 BOU 310600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO  
SDF NUMBER 365A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 31 DECEMBER 1977

AI. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS.  
BOTH REGIONS 967 (S18E28) AND 970 (S17E53) CONTINUE TO BE DISTURBED  
IN STRUCTURE AS MATURE REGIONS. REGION 969 (N21W07) HAS SHOWN THE MOST  
STRUCTURAL GROWTH. A REGION APPEARS TO BE EMERGING NEAR S27E55.  
CULGOORA REPORTS A BRIGHT PLAGE NEAR SE25 WHICH MAY BE OLD REGION  
950. SURGES ARE ALSO OCCURRING NEAR NE15.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 8 HOURS. THE FIELD  
IS EXPECTED TO REMAIN QUIET TO SLIGHTLY UNSETLED FOR THE BALANCE  
OF THIS ZULU DAY.

III. EVENT PROBABILITIES 31 DEC 77-02 JAN 78

CLASS M 90/90/90

CLASS X 15/20/20

PROTON 15/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 DEC 119

PREDICTED 31 DEC - 02 JAN 123/125/125

90-DAY MEAN 30 DEC 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 DEC 07

ESTIMATED AFR/AP 30 DEC 04/03

PREDICTED AFR/AP 31 DEC - 02 JAN 08/08 - 08/08 - 08/08

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HFUS 3 BOU 311500  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 365B  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 31 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 17 HOURS. SMALL C-CLASS SUBFLARES HAVE BEEN NOTED IN REGION 967 (S18E24), REGION 969 (N21W11) AND REGION 970 (S17E49). LATEST REPORTS INDICATE REGIONS 967 AND 970 ARE CURRENTLY STABLE, BUT REGION 969 IS STRENGTHENING. THERE IS INDICATION OF THE ARRIVAL OF NEW REGIONS AT THE NE AND SE LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE DURING THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 17 HOURS. THE FIELD IS EXPECTED TO BE QUIET TO MILDLY UNSETLED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 31 DEC 77-02 JAN 78

CLASS M	90/90/90
CLASS X	15/20/20
PROTON	15/20/20
PCAF	YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED	30 DEC 119
PREDICTED	31 DEC - 02 JAN 123/125/125
90-DAY MEAN	30 DEC 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	29 DEC 07
ESTIMATED AFR/AP	30 DEC 04/03
PREDICTED AFR/AP	31 DEC - 02 JAN 05/05 - 08/08 - 08/08
SOLTERWARN	

BT

HFUS 1 BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 365

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 31 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS WITH TEN C-CLASS SUBFLARES DISTRIBUTED AMONG THE FOUR PRINCIPAL REGIONS ON THE DISK. REGION 966 (N20W29) IS DECLINING. REGION 967 (S18E17) APPEARS TO HAVE STABILIZED. REGIONS 969 (N20W17) AND 970 (S17E48) ARE STILL GROWING IN SIZE, INTENSITY AND COMPLEXITY. SMALL SPOTS HAVE BEEN REPORTED IN OTHER AREAS OF THE DISK, BUT WILL NOT RECEIVE REGION NUMBERS WITHOUT CONFIRMATION. THE SUNSPOT NUMBER AT YEarend IS AT LEAST 178 AND MAYBE AS HIGH AS 224.

IB. SOLAR ACTIVITY SHOULD CONTINUE MODERATE. CONTINUED GROWTH IN REGIONS 969 AND 970 ADDS TO THE PROBABILITY OF A MAJOR FLARE, BUT SUCH A FLARE IS NOT EXPECTED WITHIN THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS. THE FIELD IS EXPECTED TO REMAIN GENERALLY QUIET TO MILDLY UNSETLED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 01 JANUARY - 03 JANUARY

CLASS M 9.0/9.0/9.0

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 DECEMBER 124

PREDICTED 01-03 JANUARY 126/127/127

90-DAY MEAN 31 DECEMBER 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 DECEMBER 05

ESTIMATED AFR/AP 31 DECEMBER 04/05

PREDICTED AFR/AP 01-03 JANUARY 07/08 - 07/08 - 07/08

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