

HFUS 1 BOU 010545

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 001A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL  
ACTIVITY ISSUED 0600Z 01 JANUARY 1975

IA. SOLAR ACTIVITY CONTINUES VERY LOW. SUBFLARES WITHOUT X-RAYS  
WERE REPORTED AT 0134Z IN BRIGHT REGION 548 BEYOND EAST LIMB AT  
N06 AND AT 0143Z IN REGION 547 AT N08W52. REGION 547 IS NEW AND  
GROWING SLOWLY. THE SPOT GROUP MAY BE A SMALL TYPE D. A LARGER  
D-TYPE GROUP OF SIMPLE STRUCTURE LIES QUIESCENT AT S08E40.

IB. AN INCREASE IN CLASS-C FLARES IS EXPECTED AS REGION 548  
ROTATES INTO FULL VIEW AND AS REGION 547 REACHES MATURITY. THE  
PROBABILITY FOR CLASS-M FLARES HAS INCREASED PENDING A MORE  
COMPLETE EVALUATION OF REGION 548.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET CONDITIONS WILL  
DOMINATE THROUGHOUT THIS FORECAST PERIOD WITH UNSETTLED CONDITIONS  
ONLY DURING LOCAL NIGHTTIME HOURS.

III. EVENT PROBABILITIES 01-03 JANUARY:

CLASS M 10/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 DECEMBER 78

PREDICTED 01-03 JANUARY 82/84/84

90-DAY MEAN 31 DECEMBER 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 DEC 04

ESTIMATED AFR/AP 31 DEC 12/15

PREDICTED AFR/AP 01-03 JANUARY 10/12-08/10-08/10

SOLTERWARN

BT

HFUS 1 BOU 011430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 001B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 01 JANUARY 1975

IA. SOLAR ACTIVITY CONTINUES VERY LOW. TWO SMALL C-CLASS  
FLARES HAVE BEEN REPORTED DURING THE PAST 8 HOURS. ONE FROM  
SLOWLY DEVELOPING REGION 547 (N09W57) AND ONE FROM NEW REGION  
548 (N06W90). X-RAY BACKGROUND LEVELS CONTINUE LOW.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW. BOTH REGION  
547 AND 548 MAY BE EXPECTED TO PRODUCE OCCASIONAL C-  
CLASS SUBFLARES BUT M-CLASS EVENTS ARE UNLIKELY.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETTLED TO QUIET  
FOR THE PAST 24 HOURS. THE FIELD IS EXPECTED TO CONTINUE MILDLY  
UNSETTLED THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 01 - 03 JAN

CLASS M 05/05/03

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 DEC 78

PREDICTED 01 - 03 JAN 79/30/81

90-DAY MEAN 31 DEC 78

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 DEC 04

ESTIMATED AFR/AP 31 DEC 12/15

PREDICTED AFR/AP 01 - 03 JAN 5/6 - 7/8 - 10/12

NOTE- ON 1 JANUARY 1973 SESC STARTED A SEQUENTIAL NUMBERING  
SYSTEM FOR SUNSPOT REGIONS AND SIGNIFICANT H ALPHA PLAGE REGIONS,  
BEGINNING WITH REGION NUMBER 001. THIS NUMBERING SYSTEM WILL  
CONTINUE INTACT THROUGH THE NEW YEAR, AS IT DID IN 1974, WITHOUT  
REVERSION TO NUMBER 001 ON 1 JANUARY AS HAD BEEN DONE PRIOR TO 1973  
SOLTERWARN

BT

HFUS BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 001

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 01 JANUARY 1975

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 24 HOURS.  
ONLY TWO SMALL C-CLASS SUBFLARES WERE REPORTED DURING THAT TIME,  
ONE FROM REGION 547 (N09W64) AND ONE FROM REGION 548 (N04E77).  
REGION 547 APPEARS TO BE GROWING SLOWLY NOW, AFTER AN INITIAL  
PERIOD OF RAPID GROWTH. DESPITE DIFFICULTY OF OBSERVATION DUE  
TO LIMB PROXIMITY, 548 APPEARS SMALL AND UNIMPRESSIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW. NONE OF THE  
THREE ACTIVE REGIONS CURRENTLY VISIBLE ON THE SOLAR DISK APPEARS  
CAPABLE OF PRODUCING MORE THAN AN OCCASIONAL C-CLASS SUBFLARE.

II. THE GEOMAGNETIC FIELD HAS BEEN ESSENTIALLY QUIET FOR THE  
PAST 24 HOURS. THE FIELD IS EXPECTED TO GRADUALLY BECOME UNSETTLED  
DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 02 - 04 JAN 1975

CLASS M 05/03/03

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JAN 81

PREDICTED 02 - 04 JAN 82/82/82

90-DAY MEAN 01 JAN 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 DEC 11

ESTIMATED AFR/AP 01 JAN 5/6

PREDICTED AFR/AP 02 - 04 JAN 7/8 - 10/12 - 15/19

NOTE- ON 1 JANUARY 1973 SESC STARTED A SEQUENTIAL NUMBERING  
SYSTEM FOR SUNSPOT REGIONS AND SIGNIFICANT H ALPHA PLAGE REGIONS,  
BEGINNING WITH REGION NUMBER 001. THIS NUMBERING SYSTEM WILL  
CONTINUE INTACT THROUGH THE NEW YEAR, AS IT DID IN 1974, WITHOUT  
REVERSION TO NUMBER 001 ON 1 JANUARY AS HAD BEEN DONE PRIOR TO 1973  
SOLTERWARN.

BT