

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 79/80/81

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

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