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HFUS 1 BOU 150600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 349A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 15 DECEMBER 1973

IA. DURING THE PAST 8 HOURS SOLAR ACTIVITY HAS BEEN VERY LOW. NO
FLARES HAVE BEEN OBSERVED AND BOTH LIMBS HAVE BEEN QUIET.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT SEVEN HOURS.
SOLAR ACTIVITY WILL REMAIN LOW.

II. THE GEOMAGNETIC FIELD IS QUIET BUT WILL BE SLIGHTLY DISTURBED
DURING THE NEXT 24 HOURS. THE DISTURBANCE WILL BE BELOW STORM LEVEL.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HOUS 2 BOU 150200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
15/0200Z DEC 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
14/1745. LOCATIONS VALID AT 15 DEC 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0296 N03W18 306 0040 H 02 01 ALPHA

MAGNETIC CLASS INFERRED AT BOULDER

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 15 DEC 0000Z.

NMBR LOCATION LO

297 S15E43 245

298 S20W61 349

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

S05E90 IN 14/2136Z 2137Z 2147Z --

III. AREAS OF SPECIAL INTEREST-

NONE

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HFUS BOU 151300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 349B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 15 DEC 1973

IA. SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL.

TWO REGIONS HAVE TRANSITED EAST LIMB: NEW REGION 299

(N01E85) HAS AN H-TYPE SPOT WITH FOLLOWING PLAGE,

AND REGION 300 (OLD REGION 2847) AT S13E85 IS A SMALL PLAGE WHICH
PRODUCED A SUBFAINT FLARE AT 1134Z.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW WITH

A SLIGHT INCREASE DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE SINCE

0830Z TODAY IN ACCORDANCE WITH A MINOR RECURRENT

DISTURBANCE. CONDITIONS ARE EXPECTED TO RETURN TO

QUIET TOMMORROW AND REMAIN QUIET FOR THE REST

OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 15 DEC - 17 DEC

CLASS M 07/07/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 DEC 76

PREDICTED 15 DEC - 17 DEC 75/76/77

90-DAY MEAN 14 DEC 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 DEC 04

ESTIMATED AFR/AP 14 DEC 03/04

PREDICTED AFR/AP 15 DEC - 17 DEC 09/10 - 04/05 - 04/05

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 349

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 15 DECEMBER 1973.

IA. SOLAR ACTIVITY REMAINS LOW. REGION 299 (N07E76) HAS AN "H"
TYPE SUNSPOT AND WEAK PLAGE STRUCTURE. ACTIVITY STILL CONTINUES
NEAR SE13 INDICATING A REGION WILL CROSS EAST LIMB DURING NEXT
24 HOURS.

IB. OSO-7 FLUXES ARE NOT HIGH OVER THE SE LIMB AREA. ACTIVITY
IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAD BEEN UNSETTLED THROUGH 1500Z AND
QUIET SINCE. IT IS EXPECTED TO BE QUIET, BECOMING UNSETTLED THE
LATTER PART OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 16 DEC - 18 DEC.

CLASS M 05/05/07

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 15 DEC 79

PREDICTED 16 DEC - 18 DEC 81/84/86

90-DAY MEAN 15 DEC 87

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 14 DEC 03

ESTIMATED AFR/AP 15 DEC 07/08

PREDICTED AFR/AP 16 DEC - 18 DEC 02/03 - 04/05 - 10/11

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HFUS BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

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