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HOUS 2 BOU 040200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
04/0200Z NOV 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM RAMEY TAKEN AT
03/1130Z. LOCATIONS VALID AT 04 NOV 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0266 N12W62 170 0020 H 01 01 ALPHA

0275 S10W49 157 0005 B 05 04 BETA

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 04 NOV 0000Z.

NMBR LOCATION LO

267 N16W46 154

269 N04W07 115

270 N21W40 148

276 N12E64 044

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

264 2B 03/0014Z 0034Z 0100Z X-1S

III. AREAS OF SPECIAL INTEREST-

NONE.

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HFUS I BOU 040600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 308A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 04 NOVEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. THE
TWO REGIONS ON THE VISIBLE DISK APPEAR STABLE AND QUIET.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT SEVEN HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. A MINOR DISTURBANCE IS
EXPECTED DURING 05 NOVEMBER.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

NOTE- A RECENT COMPARISON BETWEEN TWO YEARS OF FREDERICKSBURG AND
PLANETARY MAGNETIC INDICES HAS SHOWN THAT AP APPEARS HIGHER THAN
AFREDERICKSBURG. THEREFORE, BOTH INDICES WILL BE INCLUDED IN
FUTURE FORECASTS. ONLY EXTRAPOLATED AP VALUES WILL BE GIVEN SINCE
THE COMPUTATION AND PUBLICATION OF THE ACTUAL OBSERVED AP VALUES
REQUIRE APPROXIMATELY THREE MONTHS.

SOLTERWARN

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HFUS BOU 041300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 308B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 04 NOVEMBER 1973

IA. THE ONLY SIGNIFICANT SOLAR ACTIVITY DURING THE PAST 24 HOURS
CONSISTED OF AN IMPORTANCE ONE-BRILLIANT LIMB FLARE IN REGION 264
(BEHIND LIMB AT S13W90). THIS EVENT BEGAN AT 04/0955Z, REACHED
MAXIMUM AT 0958Z, AND ENDED AT 1012Z. NO SIGNIFICANT RADIO
BURSTS, IONOSPHERIC DISTURBANCES, OR PROTON ENHANCEMENTS
WERE ASSOCIATED WITH THIS LIMB FLARE, AND PRESENTLY-AVAILABLE
INFORMATION SUGGESTS THAT THIS EVENT WAS NOT PARTICULARLY ENERGETIC.
ALL DISK REGIONS ARE QUIET AND UNIMPRESSIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW DURING THE FORECAST
PERIOD. NONE OF THE REGIONS ON THE DISK IS BELIEVED CAPABLE OF
ENERGETIC ACTIVITY, AND REGION 264 NOW IS VIRTUALLY SHIELDED
FROM EARTH BY THE WEST LIMB.

II. QUIET GEOMAGNETIC CONDITIONS HAVE CONTINUED. A MINOR
DISTURBANCE IS EXPECTED DURING 05 NOVEMBER.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 308

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 04 NOVEMBER 1973

IA. SOLAR ACTIVITY IS VERY LOW, WITH NO FLARES REPORTED IN THE PAST 12 HOURS. A FLARE EVIDENTLY ORIGINATING BEHIND WEST LIMB IN REGION 264 (S13W108) WAS OBSERVED AT 0955Z. NO ACCOMPANYING XRAY OR RADIO OUTBURSTS OF ANY NOTE WERE OBSERVED. A WEAK TYPE II DEKAMETRIC SWEEP FREQUENCY EVENT OCCURRED AT 1940Z, FOLLOWED BY A MINOR TYPE IV STORM. WITH REGION 264 ROTATING WELL BEHIND WEST LIMB, ONLY SMALL, WEAK REGIONS REMAIN ON THE DISK. NONE OF THE REGIONS PRESENT SHOW ANY MARKED CHANGE. NO ACTIVE CENTERS ARE DUE TO RETURN OVER EAST LIMB IN THE NEXT FEW DAYS.

IB. THE POTENTIAL FOR A LARGE FLARE IS VERY LOW, AND ACTIVITY IS EXPECTED TO BE LIMITED TO INFREQUENT NON-ENERGETIC SUBFLARES.

II. A MINOR BAY IN THE GEOMAGNETIC FIELD, CAUSING UNSETTLED CONDITIONS FROM 12Z TO 18Z TODAY, HAS SUBSIDED AND THE FIELD IS PRESENTLY QUIET. QUIET OR MILDLY UNSETTLED CONDITIONS SHOULD PREVAIL THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 05 NOV-07 NOV

CLASS M 10/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 NOV 79

PREDICTED 05 NOV-07 NOV 75/73/71

90-DAY MEAN 04 NOV 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 NOV 06

ESTIMATED AFR/AP 04 NOV 08/09

PREDICTED AFR/AP 05 NOV-07 NOV 07/08-06/07-08/09

NOTE- A RECENT COMPARISON BETWEEN TWO YEARS OF FREDERICKSBURG AND PLANETARY MAGNETIC INDICES HAS SHOWN THAT AP APPEARS HIGHER THAN A FREDERICKSBURG. THEREFORE, BOTH INDICES WILL BE INCLUDED IN FUTURE FORECASTS. ONLY EXTRAPOLATED AP VALUES WILL BE GIVEN SINCE THE COMPUTATION AND PUBLICATION OF THE ACTUAL OBSERVED AP VALUES REQUIRE APPROXIMATELY THREE MONTHS.

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