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HOUS 2 BOU 280200 COR

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY

ISSUED AT 28/0200 SEPT 1973

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM CANARY IS. TAKEN AT
27/1030Z. LOCATIONS VALID AT 28 SEPT 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0231 N05W45 281 0010 B 01 04 ALPHA

0234 N05W24 260 0012 H 02 02 ALPHA

0236 N14W18 254 0400 D 10 15 BETA

0241 N21E37 199 0110 H 01 02 ALPHA

0243 N10W23 259 0000 A XX 01 ALPHA

0245 S15E43 193 0020 H 01 01 ALPHA

0247 S12E63 173 0130 C 06 06 BETA

0248 N13E70 166 0130 H 02 02 ALPHA

NOTE: MAGNETIC CLASSIFICATIONS INFERRED AT CANARY IS.

IA. NONE

II. NONE

III. NONE

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HXUS BOU 280600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 271A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 28 SEPTEMBER 1973

IA. SOLAR ACTIVITY CONTINUES TO BE VERY LOW WITH NO FLARES
REPORTED IN THE PAST 18 HOURS. DISK REGIONS ARE QUIET AND SHOW
NO MARKED CHANGES OR DEVELOPMENT.

IB. ACTIVITY IS EXPECTED TO BE LIMITED TO OCCASIONAL NON-ENERGETIC
SUBFLARES. A SMALL POTENTIAL FOR MODERATELY ENERGETIC ACTIVITY
EXISTS IN THE LARGER REGIONS, PARTICULARLY IF A REGION ENTERS AN
ACCELERATED DECLINE PHASE, BUT SUCH ACTIVITY IS PRESENTLY UNLIKELY.

II. THE GEOMAGNETIC FIELD IS QUIET AND IS NOT EXPECTED TO BE MORE
THAN UNSETTLED FOR THE NEXT FEW DAYS.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 281300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 271B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 28 SEPTEMBER 1973

IA. SOLAR ACTIVITY CONTINUES TO BE VERY LOW WITH ONLY ONE FLARE
REPORTED IN THE PAST 20 HOURS. REGION 245 (S13E41) PRODUCED
A SUB FAINT FLARE AT 0746Z. EXCEPT FOR MINOR PLAGE FLUCTUATIONS
IN REGIONS 247 (S12E69) AND 236 (N14W12) ALL REGIONS HAVE BEEN
QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW WITH ONLY OCCASIONAL
NON-ENERGETIC ACTIVITY POSSIBLE FROM REGIONS 236 AND 247.

II. THE GEOMAGNETIC FIELD IS QUIET AND IS EXPECTED TO BE QUIET TO
UNSETTLED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 28 SEP - 30 SEP

CLASS M 45/45/45

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 SEP 115

PREDICTED 28 SEP-30 SEP 116/117/115

90-DAY MEAN 27 SEP 090

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 SEP 18

ESTIMATED 27 SEP 06

PREDICTED 28 SEP-30 SEP 08/06/05

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HFUS BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 271

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 28 SEPTEMBER 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH THREE SUBFLARES REPORTED THIS ZULU DAY. SUNSPOTS WHICH HAVE EMERGED EAST OF THE TRAILER OF REGION 236 (N14W30) MAY BE A NEW REGION BUT AT THIS TIME ARE CONSIDERED AS PART OF 236. TRAILER POLARITY ALSO EXISTS AHEAD OF THE LEADER OF 236. THE OSO-7 CORONAL INTENSITIES ARE MODERATELY STRONG OVER REGION 247 (S12E55). A NEW REGION APPEARS TO BE EMERGING NEAR S17E56.

IB. ACTIVITY IS EXPECTED TO REMAIN LOW WITH A CHANCE OF A LOW LEVEL CLASS M EVENT FROM EITHER REGION 236 OR 247 DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. RECURRENT STRUCTURE INDICATES QUIET TO SLIGHTLY UNSETTLED CONDITIONS DURING THE FORECAST PERIOD. HOWEVER, SOLAR LONGITUDES THAT PRODUCED WEST LIMB AND BEYOND WEST LIMB ACTIVITY LAST ROTATION ARE APPROXIMATELY ONE DAY FROM FAVORABLE GEOMETRY. ANY PERSISTENCE IN THE INTERPLANETARY PLASMA FROM THESE EVENTS COULD PRODUCE ACTIVE GEOMAGNETIC CONDITIONS 30 SEP - 01 OCT.

III. EVENT PROBABILITIES 29 SEP - 01 OCT.

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 28 SEP 118

PREDICTED 29 SEP - 01 OCT 116/115/113

90-DAY MEAN 28 SEP 091

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 27 SEP 07

ESTIMATED 28 SEP 04

PREDICTED 29 SEP - 01 OCT 04/06/06

SOLTERWARN

SPAN

BT