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HOUS 2 BOU 290200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED

AT 290200 AUG 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 281450 LOCATIONS VALID AT 29/0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0193 N13W81 353 0010 A 02 02 ALPHA

0201 N12W08 280 0010 B 06 02 BETA

0203 N13E18 254 0130 C 11 03 BETA

0208 N03E04 268 0030 C 08 27 BETA

0209 S15E81 191 0220 C 05 04 BETA GAMMA

NOTE: MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 29/0000Z.

NMBR LOCATION LO

0207 N14E45 227

0210 N22E85 187

II. NONE

III. AREAS OF SPECIAL INTEREST:

RGN 209

NOTE: PREVIOUS REGION REPORTS (27, 28 AUG) INCORRECTLY DESIGNATED

REGION 0207 (LAT. N15, CARRINGTON LONG. 226) AS REGION 0206.

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 241A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 29 AUG 1973

IA. SOLAR ACTIVITY CONTINUES TO BE VERY LOW WITH NO FLARES REPORTED. REGION 208 (N02W00) SHOWS MINOR STRUCTURAL FLUXUATION AND POSSIBLE SIGNS OF INTENSIFYING, THOUGH IT REMAINS QUIET. THE REGIONS MAGNETIC STRUCTURE IS NOT PARTICULARLY COMPLEX, AND THE SPOT GROUP HAS A NORMAL MAGNETIC CONFIGURATION. REGION 209 (S13E80) SEEMS TO HAVE A FAIRLY EXTENDED SPOT GROUP, BUT SO FAR ACTIVITY HAS BEEN LIMITED TO SOME SURGING AS IT ROTATED ONTO THE DISK. OTHER REGIONS SHOW NO SIGNIFICANT CHANGES AND ARE QUIET.

IB. ACTIVITY IS EXPECTED TO REMAIN LOW, WITH ONLY AN OCCASIONAL SUBFLARE LIKELY. ACCELERATED DEVELOPMENT OF RGN 208 OR RGN 209 MIGHT RAISE THE SUBFLARE FREQUENCY AND THE PROBABILITY OF A SMALL TO MODERATE X-RAY FLARE.

II. THE GEOMAGNETIC FIELD IS UNSETLED, AND IS LIKELY TO REMAIN SO AS THE PRESENT RECURRENT DISTURBANCE DECLINES THROUGH THE NEXT FEW DAYS.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS BOU 291300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 241B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 29 AUGUST 1973

IA. WITH NO FLARES REPORTED TODAY, SOLAR ACTIVITY REMAINS VERY LOW.
ALL REGIONS ON THE DISK HAVE BEEN MOSTLY STABLE, WITH LITTLE
STRUCTURAL CHANGE APPARENT ANYWHERE. REGIONS 208 AND 209 (N03W03/
S15E74) CONTINUE TO BE THE MOST IMPRESSIVE.

IB. ENERGETIC EVENTS ARE POSSIBLE, IF REGIONS 208 AND 209 EXHIBIT
MORE DEVELOPMENT. IF THEY REMAIN STABLE, SOLAR ACTIVITY WILL
BE VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE, AND IS EXPECTED TO REMAIN
AT THIS LEVEL OF ACTIVITY THROUGH 29 AUGUST, AND THEN DECLINE
SHORTLY THEREAFTER.

III. EVENT PROBABILITIES 29-31 AUG

CLASS M 15/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 AUG 96

PREDICTED 29-31 AUG 97/98/98

90-DAY MEAN 28 AUG 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 AUG 19

ESTIMATED 28 AUG 20

PREDICTED 29-31 AUG 20/15/10

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HFUS BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 241

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL

ACTIVITY ISSUED 292200Z AUG 1973

IA. A SLIGHT INCREASE IN SOLAR ACTIVITY HAS BEEN NOTED DURING THE PAST 24 HOURS. RGN 209 (S15E67) HAS ROTATED FURTHER ONTO THE DISK REVEALING A BETA-GAMMA MAGNETIC CLASSIFICATION IN ITS TRAILING PORTIONS. THIS RGN HAS PRODUCED 2 SMALL FLARES TODAY, BOTH OF WHICH HAD SMALL RADIO BURSTS. AN ACTIVE FILAMENT IN THE EXTREME WESTERN PORTIONS OF RGN 203 (N15E06) IS THOUGHT TO BE THE SOURCE OF NUMEROUS TYPE III RADIO BURSTS RECORDED THROUGHOUT THE DAY. RGN 193 NEAR N14W90 IS QUIETLY TRANSITING THE WEST LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO SLOWLY INCREASE DURING THIS FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY ACTIVE WITH MINOR STORM CONDITIONS IN THE NIGHTTIME SECTOR. A GRADUAL RETURN TO QUIET CONDITIONS IS EXPECTED FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 30 AUG-01 SEP

CLASS M 25/35/35

CLASS X 01/01/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 AUG 99

PREDICTED 30 AUG-01 SEP 101/103/105

90-DAY MEAN 29 AUG 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 AUG 23

ESTIMATED 29 AUG 19

PREDICTED 30 AUG-01 SEP 16/13/11

SOLTERWARN

SPAN

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