

NNNN

KBOU

HOUS 2 BOU 240205

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
240200Z OCT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
23/1445.

LOCATIONS VALID AT 24 OCT 0000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
0264	S14E51	202	0450	D	09	10	BETA	
0265	N20E60	193	0010	A	01	01	ALPHA	

MAGNETIC CLASSIFICATION INFERRED AT BOULDER

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 24 OCT 0000Z.

NMBR	LOCATION	LO	COMMENT
0262	N15W01	254	

II. NONE REPORTED

III. NONE

SPAN

BT

HFUS 1 BOU 240600

FR

HFUS 1 BOU 240600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 297A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 24 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN LOW SINCE SDF 296. REGION 264 (S14E48) PRODUCED AN IMPORTANCE 1 FLARE BEGINNING 0031 U.T. AFTER SHOWING CONSIDERABLE DEVELOPMENT IN BOTH H-ALPHA AND WHITE LIGHT DURING THE LAST 24 HOURS. THE PACE OF DEVELOPMENT OF THIS REGION (AND ITS RATE OF MINOR FLARE PRODUCTION) SEEM TO HAVE SLACKED SINCE THE ABOVE FLARE. ANOTHER FLARE/SURGE AT 0127 U.T. WAS REPORTED AT S14W86, IN A PLAGE THAT IS THE RETURN OF AN OLD ACTIVE CENTER. NO SPOTS ARE YET APPARENT THERE. ANOTHER OLD ACTIVE CENTER (AT N12E87) HAS CROSSED EAST LIMB. SPOTS ARE REPORTED, BUT APART FROM SURGING, THE REGION APPEARS INACTIVE.

IB. FLARING MAY BE EXPECTED FROM REGION 264. FURTHER GROWTH, IF IT OCCURS, WILL MAKE THIS REGION PROMISING AS A SITE FOR ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD WAS SLIGHTLY ACTIVE EARLIER, BUT HAS NOW QUIETED. THE DECREASE IN SOLAR WIND VELOCITY OBSERVED EARLIER TODAY SUGGESTS THAT THE FIELD WILL BE QUIET, OR AT MOST UNSETTLED, DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 24 OCT - 26 OCT

CLASS M 30/30/30

CLASS X 02/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 OCT 91

PREDICTED 24 OCT-26 OCT 95/97/98

90-DAY MEAN 23 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 OCT 18

ESTIMATED 23 OCT 07

PREDICTED 24 OCT-26 OCT 10/10/10

SPAN

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NNNN

KBOU

HFUS 1 BOU 241300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 297B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 24 OCTOBER 1973

248
IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 264 (S14E44) PRODUCED AN IMPORTANCE IN FLARE WITH MAXIMUM AT 0038Z BUT HAS BEEN QUIET AND STABLE SINCE. A NEW REGION 266 (N12E80) HAS ROTATED OVER THE LIMB. AN "H" TYPE SPOT IS PRESENT HERE. THIS REGION ALONG WITH THE REST OF THE DISK HAS BEEN QUIET.

IB. ENERGETIC EVENTS ARE POSSIBLE IF REGION 264 CONTINUES TO GROW AND RESTRUCTURE.

II. THE GEOMAGNETIC FIELD HAS BEEN PREDOMINANTLY QUIET. IT SHOULD REMAIN QUIET THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 24-26 OCT

CLASS M 30/30/30

CLASS X 02/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 OCT 91 ²⁵

PREDICTED 24-26 OCT 95/97/98

90-DAY MEAN 23 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 OCT 18

ESTIMATED 23 OCT 07

PREDICTED 24-26 OCT 07/06/05

SOLTERWARN

SPAN

BT

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 297

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 24 OCTOBER 1973.

IA. SOLAR ACTIVITY CONTINUES LOW. REGION 264 (S13E40) PRODUCED
AN IMPORTANCE 1 IN FLARE AT 24/0038Z, BUT NO ACTIVITY HAS BEEN OB-
SERVED FROM THIS REGION SINCE. SOME SMALL SPOTS HAVE DEVELOPED
BETWEEN THE LEADER AND TRAILER IN THIS REGION, AND THE POSITION
OF THE NEUTRAL LINE SUGGESTS A POSSIBLE BETA GAMMA MAGNETIC CON-
FIGURATION. AT 24/2036Z, AN APPARENTLY NON-ENERGETIC, IMPORTANCE
1 IN FLARE WAS OBSERVED AT N18 E LIMB. THIS FLARE WAS ASSOCIATED
WITH EITHER A NEW REGION OR A POSSIBLE REBIRTH OF OLD REGION 251
(N17) WHICH APPARENTLY DIED ON THE DISK DURING THE LAST ROTATION.
IB. THERE IS A GOOD CHANCE OF A SMALL CLASS M EVENT FROM REGION
264 DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE LAST 24
HOURS AND IS EXPECTED TO REMAIN QUIET THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 25 OCT - 27 OCT.

CLASS M 30/30/30

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 24 OCT 100

PREDICTED 25 OCT - 27 OCT 103/104/104

90-DAY MEAN 24 OCT 91

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 23 OCT 07

ESTIMATED 24 OCT 06

PREDICTED 25 OCT - 27 OCT 06/05/06

SOLTERWARN

SPAN

BT