

NNNN0350

NNNN

KMSC

HAUS BOU 070400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 530A ISSUED 0400Z 07 FEBRUARY 1970

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS

A. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 11 HOURS.
THE REGION AT S11E01 HAS CONTINUED ITS RAPID GROWTH DURING THE
DAY. THE REGION IS THE BRIGHTEST ON THE DISK AND HAS BEEN
CLASSIFIED MAGNETICALLY BY THE MT. WILSON AS A BETA GAMMA
WITH A DELTA CONFIGURATION. THE NEW REGION AT S19E72 HAS ALSO
GROWN IN SIZE SINCE YESTERDAY. THE GEOMAGNETIC FIELD IS QUIET.

B. THE REGION S11E01 IS THE ONLY REGION ON THE DISK THAT
APPEARS CAPABLE OF MAJOR FLARE PRODUCTION. IF THIS REGION
CONTINUES ITS GROWTH IT WILL BE CAPABLE OF CLASS M FLARES.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 07 FEB/0400Z ENDING 10 FEB/0400Z.

CLASS M OR GREATER 40/60/60

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7CM FLUX 06/1700Z AND 2000Z WERE 136 AND 138
RESPECTIVELY.

SOLTERWARN

SPAN

BT

NNNN0356

NNNN1746

NNNN

KMSC

HAUS BOU 071748Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 530B ISSUED 1700Z 07 FEBRUARY 1970

CLASS M FLARES ARE EXPECTED IN THE NEXT 11 HOURS.

A. DEVELOPMENT APPEARS SLOWED IN S10W08/S12W06 COMPLEX. A CLASS C FLARE IN THIS REGION WAS REPORTED BEGINNING 07/0644Z WITH MINOR SWF AND SPA. ON THE SE LIMB, BROKEN PLAGE EXTENDS FROM S17E63 SPOT TO LIMB. A CLASS C (IMP 1N) FLARE WAS OBSERVED BEGINNING 07/1446Z. AN EVENT BARELY REACHING M-THRESHOLD BEGAN 07/0309Z WITH NO OPTICAL FLARE REPORTED, AND MAY BE ASSOCIATED WITH THIS COMPLEX. DEKAMETRIC RADIO EMISSION (TYPE IIIS AND WEAK CONTINUUM) INDICATE FURTHER INTEREST. THE GEOMAGNETIC FIELD IS VERY QUIET, AND PROTON FLUXES ARE AT BACKGROUND.

B. ADDITIONAL PORTIONS OF THE ACTIVE CENTER NEAR S15EL ARE EXPECTED TO ROTATE OVER EAST LIMB. CLASS M FLARES EXPECTED FROM THIS REGION, AND FROM S10W08/S12W06.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 FEB/1700Z ENDING 10 FEB/1700Z.

CLASS M OR GREATER 50/50/50

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 140. PREDICTED 151/157/163.

E. MAGNETIC A-FREDERICKSBURG FOR 06 FEBRUARY WAS 02. FOR 07 FEB ABOUT 02. PREDICTED AP FOR 08-10 FEB, 04/06/08.

SOLTERWARN

SPAN

BT

NNNN1751

NNNN