

HAUS BOU 060415Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 529A ISSUED 0400Z 6 FEB 1970

INFREQUENT CLASS C FLARES REPRESENT THE ONLY ACTIVITY EXPECTED THESE NEXT 13 HOURS.

A. TOTAL FLARE ACTIVITY FOR 05 FEB CONSISTED OF 5 SUBFLARES. NO SPOT GROUP CURRENTLY VISIBLE EXCEEDS 100 MILLIONTHS IN AREA AND ASSOCIATED H-ALPHA PLAGES ARE SIMPLE STRUCTURES OF LESS THAN MODERATE INTENSITY. ANOTHER RELATIVISTIC ELECTRON EVENT BEGAN ABOUT 05/2235Z (DURING DAY LIGHT HOURS IN ALASKA). AT THAT TIME POLAR-CAP VLF RECORDED A SLIGHT PHASE ADVANCE (MOST OF THIS PATH IN DARKNESS) WHILE THE 23 MHZ DAYTIME FOREWARD SCATTER CIRCUIT INDICATED A GRADUAL SIGNAL ATTENUATION. THE RIOMETER CHAIN DISPLAYED A CLEAR BELL-SHAPED ABSORPTION CURVE AS A FUNCTION OF MAGNETIC LATITUDE PEAKING NEAR COLLEGE STATION, THE AURORAL ZONE SITE. ABSORPTION AT COLLEGE REACHED A HIGH OF 4 DB NEAR 06/0000Z AND HAS BEEN DECLINING THEREAFTER.

B. AT LEAST 2 MORE DAYS OF NEAR SUNSPOT MINIMUM, CONDITIONS ARE EXPECTED WITH RESPECT TO DISK ACTIVITY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 06 FEB/0400Z ENDING 09 FEB/0400Z.

CLASS M OR GREATER 15/15/25

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 05/1700 AND 2000Z WERE 124 AND 128 RESPECTIVELY.

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HAUS BOU 061720Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 529B ISSUED 1700Z 06 FEB 1970

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.
A. ONLY TWO CLASS C FLARES HAVE BEEN OBSERVED THIS ZULU
DAY. THE MOST SIGNIFICANT CHANGE ON THE DISK HAS BEEN
THE VERY RAPID GROWTH OF A COMPLEX SPOT GROUP AT S05E10.

THIS REGION, A D-TYPE/270 APPEARS AS TWO BIPOLE REGIONS CROWDED
TOGETHER WITH A N-S NEUTRAL LINE. AN H-ALPHA, THE PLAGE IS VERY
BRIGHT AND COMPACT. A LARGE H-TYPE/180 SPOT IS LOCATED AT
S17E75. THE REMAINING REGIONS ARE STABLE AND UNIMPRESSIVE THE
GEOMAGNETIC FIELD IS VERY QUIET.

B. THE RAPIDLY GROWING S05E10 REGION IS EXPECTED TO GROW AND
BECOME COMPLEX MAGNETICALLY IN 24-48 HOURS WITH INCREASED
CLASS M ACTIVITY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 06/1700Z ENDING 09/1700Z.

CLASS M OR GREATER 20/40/60

CLASS X 1/2/5

PROTON EVENTS 1/2/5

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 133. PREDICTED 142/152/162.

E. MAGNETIC A-FREDERICKSBURG FOR 05 FEB WAS 10. FOR 06 FEB
ABOUT 03 PREDICTED AP FOR 7-9 FEB, 5/5/8.

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