

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, CONTITIONS 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.

SOLTERWARN

SPAN

BT

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 BIPOLAR 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.

SOLTERWARN

SPAN

BT