

KBOU

HAUS BOU 070400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO  
SDF NUMBER 097A ISSUED 0400Z 07 APRIL 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. TWO REGIONS N12W27 AND N16E34 HAVE SHOWN GROWTH AND DEVELOPMENT  
DURING THE PAST 11 HOURS. SOLAR ACTIVITY HAS BEEN MODERATELY LOW  
WITH ONLY CLASS C, NON-ENERGETIC, FLARES BEING OBSERVED. THE REGION  
WHICH GAVE THE ENERGETIC FLARE 06/0937Z IS NOW MAKING ITS WEST LIMB  
PASSAGE AND MINOR BSL ACTIVITY HAS BEEN OBSERVED THERE. SMALL BSL'S  
HAVE BEEN OBSERVED AT S18E90. THE OTHER DISK REGIONS ARE QUIET AND  
STABLE. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 11  
HOURS. ATS-1 COUNTING RATES ARE DECREASING.

B. SOLAR ACTIVITY WILL REMAIN AT PRESENT LEVEL WITH THE REGIONS  
N12W27 AND N16E34 PRODUCING MOST OF THE ACTIVITY. THE GEOMAGNETIC  
FIELD WILL CONTINUE TO HAVE PERIODS OF MINOR DISTURBANCE AND ON THE  
8TH AND 9TH A MINOR MAGNETIC STORM IS EXPECTED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR  
PERIODS BEGINNING 07 APRIL/0400Z ENDING 10 APRIL/0400Z  
CLASS M OR GREATER 30/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 06/1700Z AND 06/2000Z WERE BOTH 109  
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HAUS 1 BOU 071728

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 097B ISSUED 1700Z 07 APRIL 1971

CLASS C FLARES SHOULD MARK THE UPPER LIMIT IN ACTIVITY THESE  
NEXT 11 HOURS.

A. SCATTERED, NON-ENERGETIC SUBFLARES HAVE CHARACTERIZED  
THE DISK SINCE THE LAST MESSAGE. ALMOST CONTINUOUS SURGES  
ARE BEING OBSERVED NEAR THE SITE OF YESTERDAY'S 1B FLARE, I.E.  
S ABOUT 17, WEST LIMB. THE MINOR POLCAP ABSORPTION IN PROGRESS  
IS DECLINING NEARLY MONOTONICALLY FROM ITS PEAK OF 2.0DB ON  
THE GROUND AND 512 AND 81 PART/CM<sup>2</sup>/SEC AS DETECTED BY THE  
AEROSPACE EXPERIMENT ABOARD ATS-1. THE LATTER DATA REFLECT  
THE 5-21 AND 21-70 MEV CHANNELS RESPECTIVELY. CURRENTLY THE  
THULE 30MHZ RIOMETER IS REGISTERING LESS THAN A DB WHILE ATS-1  
FLUXES AT 1800Z WERE 64 (5-21MEV) AND 4 (21-70MEV) PART/CM<sup>2</sup>/SEC.  
ACROSS THE DISK ONLY ONE REGION STANDS OUT IN HYDROGEN AND WHITE  
LIGHT, NAMELY THE TWO-DAY OLD CLUSTER NEAR N12W39. THIS D-  
TYPE GROUP HAS DEVELOPED PENUMBRAE AROUND MANY OF THE POLES  
VISIBLE 24 HOURS AGO.

B. IN APPROXIMATELY TWO DAYS THE N12W39 CENTER MAY DOMINATE  
SOLAR ACTIVITY SIMPLY BY PRODUCING MOST OF THE SUBFLARES-NOT  
AS A RESULT OF ANY LARGE SCALE ACTIVITY. A START TIME OF  
BETWEEN 08/1100 AND 1600Z IS STILL CONSIDERED REASONABLE FOR  
THE ONSET OF THE 06 APRIL EVENT'S MAGNETIC STORM. WOLF'S SOLAR  
WIND SPEED DATA FROM PIONEER 6 IMPLY A SECTOR BOUNDARY PASSAGE  
SHORTLY BEFORE 09/1100Z.

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

CLASS M OR GREATER 30/35/40

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUX FOR 07/1400Z WAS 112. PREDICTED 10.7CM  
FLUX FOR 08-10 APRIL IS 114/115/119.

E. MAGNETIC A-FREDERICKSBURG FOR 06 APRIL WAS 12. FOR 07 APRIL  
ABOUT 06. PREDICTED AP FOR 08-10 APRIL IS 21/34/17.

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