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HFUS 1 BOU 200600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 171A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 20 JUNE 1974

IA. TWO SUBFLARES AND MODERATE FILAMENT ACTIVITY HAVE BEEN NOTED IN  
REGION 428 (S12W09) IN THE PAST EIGHT HOURS. THE NORTHERN PART OF  
THE LARGE EMBEDDED FILAMENT IN THAT REGION HAS DISAPPEARED. TYPE II  
SWEEP ACTIVITY ACCOMPANIED THE ACTIVITY. THE REMAINDER OF THE DISK  
REMAINS DULL.

IB. IF REGION 428 CONTINUES TO BE DYNAMIC, ENERGETIC EVENTS ARE  
POSSIBLE THERE.

II. THE GEOMAGNETIC FIELD REMAINS AT UNSETTLED TO ACTIVE LEVELS.  
THESE CONDITIONS WILL PERSIST THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SOLTERWARN

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HFUS 1 BOU 201400  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 171B  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1400Z 20 JUNE 1974  
IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 428 (S12W13) HAS SHOWN SPOT  
DECAY AND MINOR FLUCTUATIONS. DARK FILAMENT THROUGH THIS REGION  
REMAINS ACTIVE. REST OF DISK IS UNINTERESTING.  
IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. REGION 428 HAS A  
SLIGHT CHANCE OF PRODUCING AN ENERGETIC EVENT.  
II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AND IS EXPECTED TO BE  
ACTIVE TO UNSETLED THE NEXT 72 HOURS.  
III. EVENT PROBABILITIES 20 JUNE - 22 JUNE  
CLASS M            20/20/20  
CLASS X            02/02/02  
PROTON            01/01/01  
PCAF              GREEN  
IV. OTTAWA 10.7 CM FLUX  
OBSERVED          19 JUNE 80  
PREDICTED         20 JUNE - 22 JUNE 80/81/82  
90-DAY MEAN       19 JUNE 88  
V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG 18 JUNE 10  
ESTIMATED AFR/AP   19 JUNE 10/16  
PREDICTED AFR/AP   20 JUNE - 22 JUNE 18/21 - 15/17 - 12/13  
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FUS BOU

ROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

DF NUMBER 171

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200 Z 20 JUNE 1974

IA. Solar activity has been very low during the last 24 hours. Region 428 (S13W24) produced 2 non-energetic subflares at 2210Z and 2240Z on 19 June. The latter flare was accompanied by the disappearance of the northern portion of the active filament through the region as well as Type III and Type II Radio bursts at decametric wavelengths. A portion of this filament has since reformed. Plage in the region has been enhanced at times, but no flares have been reported this solar day. Spot decay continues with no trailer spots visible. The rest of the disk remains spotless and

IB. uninteresting.

IB. Solar activity should continue very low with a few, non-energetic flares possible from region 428.

II. The geomagnetic field has been unsettled to active during the last 24 hours. Similar conditions should continue for the next 24 hours, becoming unsettled during the latter portion of the forecast period.

II. EVENT PROBABILITIES	<u>21 JUN</u>	<u>- 23 JUN</u>
CLASS M	/	/
CLASS X	01	01
PROTON	01	01
PCAF	<u>GREEN</u>	

V. OTTAWA 10.7 CM FLUX	<u>20 JUN</u>	<u>81</u>
OBSERVED	/	
PREDICTED	<u>21 JUN</u> - <u>23 JUN</u>	<u>81</u> / <u>82</u> / <u>84</u>
90-DAY MEAN	<u>20 JUN</u>	<u>88</u>

GEOMAGNETIC A <sub>p</sub> INDICES	<u>19 JUN</u>	<u>11</u>
OBSERVED FREDERICKSBURG	/	
ESTIMATED A <sub>FR/AP</sub>	<u>20 JUN</u>	<u>13</u> / <u>19</u>

PREDICTED A<sub>FR/AP</sub> 21 JUN - 23 JUN 15 / 17 - 12 / 13 - 12 / 13

NOTE: A recent comparison between two years of Fredericksburg and Planetary Magnetic indices has shown that Ap appears higher than A<sub>FREDERICKSBURG</sub>. Therefore, both indices will be included in future forecasts. Only extrapolated A<sub>p</sub> values will be given since the computation and publication of the actual observed Ap values require approximately three months.