

From: Dick Altrock (575) 434-7016 <altrock@nso.edu>
Subject: **New data on Ca XV emission from NSO/Sacramento Peak**
Date: February 4, 2015 3:52:02 PM MST
To: mmchiefobserver@gmail.com
Cc: canfield@physics.montana.edu

All,

At the request of Dick Canfield I am beginning to send you the subject data. This will come in two forms in separate emails.

On every day that we are able to make any observations of the corona with Fe X, Fe XIV or Ca XV you will receive an email with the subject "NSO/SP Coronal Data". This email has two purposes: it will let you know on which days we were able to scan Ca XV 5694A (Angstroms) and whether we observed any emission (the absence of scans may be caused by any number of conditions). There are three data fields in each email: Fe XIV 5303A, Fe X 6374A and Ca XV 5694A, in that order. There are three possible cases for Ca XV: (i) no scan is indicated by a header that is identical to that of the 5303A or 6374A scan (except for the wavelength) with intensities that are zero at all 120 latitude points, (ii) due to the presence of noise in the 5694A scans, we will report the absence of any emission with intensities that are all -1.00 and (iii) scans with 5694A emission will have zero intensity at all latitude points with the exception of those where the intensity rises above the noise level. The intensity scale is only relative.

On every day that we observe emission in the Ca XV 5694A line, you will receive a second email with the subject "CORONALERT". This email will give the specifics of the observation and should be self-explanatory.

Remember, the absence of emails means that no scans were taken that day.

I will send samples of these two emails separately.

You may receive more information from Dick Canfield.

Let me know if you have any questions.

Best wishes,

Dick Altrock

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