Study Submission Requirements
&
Study Description Template

The following sections only apply to new studies verification.

Section 1: Study Submission Requirements

1) Please ensure that the study definition (.def) file, science case and description are sent to MSSL 3 months before the study is required. This is to allow time for the EIS science team to review the study and also to verify the study on the EIS development model.

2) Please state what are the most similar study(s) in the EIS official study database?

3) Please state why you think that none of the existing EIS studies are suitable for your needs?

4) When designing a study, it is highly recommended to have one raster per study. EIS can handle a study with multiple rasters; however this has evolved as an undesirable feature. Some previous EIS users have selected a specific raster from an existing study and made a new study from the raster. Also, other previous users have selected single rasters from different studies and made a new multiple rasters study; neither of these approaches is desirable. The major benefit of having many single raster studies (rather than multiple raster studies) is that EIS users will be able to 'pick and choose' from the existing single raster studies rather than having to design a new study. In the case of an EIS user selecting to use a number of existing single raster studies a request will need to be made to the EIS chief observers or the EIS SSC's to run the studies and information will need to be provided, e.g. the order to run the studies. See point 3 in section 2 below for an example of providing specific running order instructions.

5) If possible, set the raster repeat to 1 (no. of instance). This parameter can be adjusted when the EIS daily plan is made, as per your instruction. However, the number of repeats you specify may be further adjusted depending on the time slot available (this could go either way, however if you specify a minimum, it shouldn't go lower). Such instructions can be made available in Section 2.

6) A study description must be provided. A study description example template is shown in section 2 below. No study will be considered

without a study description. Many studies have been submitted with no study description and when this happens an email has to be sent to the study author requesting the information. This is becoming a time consuming task for the EIS team members who are dealing with the studies.

Section 2: Study Description Template

Study Description Purpose:

To provide a "few lines" outlining your study description, any specific instructions , pointing information, etc., in order to aid the EIS planners when they are selecting studies to go on the EIS timeline.

It is a requirement that the study description does not exceed an A4 page (the shorter and more concise the better). Also please note that the study description is different from the "study scientific justification" or "science case" submitted with the definition file.

Why a study description template is required:

Regularly, studies arrive with definition files only. When a request is sent to the study author regarding the study description, the response is often: "How do I write one?", or "Is there a template?"

In the past some study authors have not sent study descriptions and some studies were misused due to the lack of information (e.g. pointing errors). This resulted in wasting observing time.

The following section specifies the desired study description structure with some examples. More examples are available on the EIS study database (this can be found on the official database; select a study and click on the study description button).

Study description structure:

1) Study outline

   How would you describe your study to a colleague?

   Example of a study outline:

   ACRONYM: ABCD

This study is intended to be run on patches of nominally unipolar quiet Sun or plage, to search for jets and other features at cool temperatures caused by the churning of the magnetic field.

TARGET:	Quiet Sun
EXPOSURE TIME:	30s
RASTER:	Scanning
SLIT:	1"
STEP SIZE:	1”
FOV:	20"x240"
RASTER DURATION:	11m 40s

2) Pointing

   What is the desired pointing for the study?

   Example of a pointing description:

   Any small to medium size quiescent active region.

3) Use/Instructions to planners

   Does the study require a specific running order?

   For example:

   - Run context study ABCD_1
   - Run XYZ_2 study (repeat raster N times). Recommended 3h or fill the available time slot.
   - Run context study ABCD_1

4) WARNING

   Is there anything you want to warn about?

   For examples:

   - Do not start the context raster within SAA
   - The context raster has a high data rate (75 KBS).
   - The raster has a high data rate (90 KBS), however it only runs for a short duration (3 minutes).