MATISSE Science Verification Proposal

Title: A Simple Template for Writing a MATISSE SV Proposal

Send PDF by EMAIL to matissesv@eso.org not later than Mon January 21st 2019, 18:00 CET

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CO-I 1		
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Abstract:
Please provide here a concise abstract of the proposal of not more than 15 lines.

Scientific Case:
Please describe here the science case in no more than one page. Figures are accepted, but please keep them to a minimum. Do not send finding charts at this time.

Time Justification:
e.g. for imaging programs, it is recommended to request at least 6 concatenations on each desired AT configuration.

Report from previous SV time allocations:
Please provide a report of results from any previous SV time allocations. For published results, please give the name of the PI, title of the program, instrument, and list of publications. For unpublished results, indicate the reasons for not publishing the data.

Targets and observing mode
Please fill the table on the next page.
Comprehensive information about MATISSE is available on the instrument page.
Offered AT Configurations are for the MATISSE SV are the standard one, as of P103:

Small: (A0-B2-D0-C1)
Medium: (K0-G2-D0-J3)
Large: (A0-G1-J2-J3)

For imaging programmes, the spatial frequency coverage (u,v plane) will be optimized using relocation configurations.

Target	**Type**[1] sci/cal	**RA**	**DEC**	**Rmag**[2]	**L Flux** (Jy)	**N Flux** [3] (Jy)	**Spec. Resolution** L-band (LR / MR / HR)	**N-band photometry?** (Yes or No)	**Duration**[4] (hours)	**AT Config.**[5] S, M, L
Alf Ran	sci	11 11 11.11	-11 11 11.1	9.6	80	30	HR	Yes	3	S and M

[1] Please make sure you also provide calibrators, since they tend to be difficult to find. For instance, calibrators must be at least 50Jy in N band if absolute calibration is required.

[2] magnitude of the Guide star in R-band: must be lower than 15 for NAOMI (full AO correction only for R$\leq$12.5).

[3] if N observations are requested, else leave blank

[4] see http://www.eso.org/sci/facilities/paranal/instruments/matisse/inst.html for estimation of execution time

[5] For full imaging programs, it is recommended to request at least 6 concatenations on each configuration

Additional comments on Targets:

Anything special for the target(s).