

NAOMI+GRAVITY/PIONIER Science Verification Proposal

Title: A Simple Template for Writing a NAOMI SV Proposal

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

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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 For unpublished results, indicate the reasons for not publishing the data.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 the instruments are available on the [GRAVITY](#) and [PIONIER](#) instrument page.

Offered AT Configurations are for the NAOMI 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	RA	DEC	R ¹ mag	H/K mag	Mode ²	Duration ³ (hours)	config ⁴ S, M, L
Alf Ran	11 11 11.11	-11 11 11.1	9.6	8.1/7.2	HR on-axis	2=2x1.0	S
Alf Ran	11 11 11.11	-11 11 11.1	9.6	8.1/7.2	HR on-axis	2=2x1.0	M
Alf Ran	11 11 11.11	-11 11 11.1	9.6	8.1/7.2	GRISM	2.25=3x0.75	M or L

¹ magnitude of the Guide star in R-band: must be lower than 12.5 for full AO correction.

² PIONIER: "FREE" or "GRISM", GRAVITY: "MR" or "HR" and "on-axis" or "off-axis".

³ According to current manuals, GRAVITY "SCI-CAL" concatenation takes 1h, whereas PIONIER "CAL-SCI-CAL" takes 0.5h and "CAL-SCI-CAL-SCI-CAL" takes 0.75h

³ 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).