European Organisation for Astronomical Research in the Southern Hemisphere

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APPLICATION FOR OBSERVING TIME

PERIOD: **102A**

Important Notice:

By submitting this proposal, the PI takes full responsibility for the content of the proposal, in particular with regard to the names of CoIs and the agreement to act according to the ESO policy and regulations, should observing time be granted.

1. Title

Category: **X–0**

This Is The Proposal Title This Is The Proposal Title

2. Abstract / Total Time Requested

Total Amount of Time:

This is a concise abstract of the proposal which may have up to 9 lines.

3. Run

Run	Period	Instrument	Time	Month	Moon	Seeing	Sky	Mode	Type
A	102	FORS2	4h	nov	n	0.8	PHO	s	
A/alt	102	FORS2	3n=2x1+2H2	nov	n	0.8	PHO	v	
B	102	XSHOOTER	2n=2x1	dec	n	0.6	CLR	v	
C	102	EFOSC2	3n	feb	n	0.8	THN	v	
D	102	NACO	0.4n	nov	n	0.8	THN	v	
E	102	XSHOOTER	1h	oct	n	1.4	THN	s	
F	102	XSHOOTER	1h	oct	n	n	THN	s	

4. Number of nights/hours

Number of nights/hours	Telescope(s)	Amount of time
a) already awarded to this project:	NTT	4n in 100.B-1234
b) still required to complete this project:	UT2	20h

5. Special remarks:

This macro is optional and can be commented out.

6. Principal Investigator: JSMITH999

6a. Co-investigators:

L.	Maçon	1098
R.	Menéndez	1098
S.	Bailer-Brown	1154
K.L.	Giorgi	1339

Following CoIs moved to the end of the document ...

7. Description of the proposed programme

A – Scientific Rationale: Scientific rationale: scientific background of the project, pertinent references; previous work plus justification for present proposal.

B – Immediate Objective: Immediate objective of the proposal: state what is actually going to be observed and what shall be extracted from the observations, so that the feasibility becomes clear. In the case of VLT-XMM programmes please also specify the immediate objectives of the XMM observations.

7. Description of the proposed programme and attachments

Fig. 1: A caption for your figure can be inserted here.

References can also be included using MakeCaption. For example:
References:

8. Justification of requested observing time and observing conditions

Lunar Phase Justification: Provide here a careful justification of the requested lunar phase.

Time Justification: (including seeing overhead) Provide a careful justification of the requested number of nights or hours for each observing run here. ESO Exposure Time Calculators exist for all Paranal and La Silla instruments and are available at the following web address:
http://www.eso.org/observing/etc .
Links to exposure time calculators for APEX instrumentation can be found in Section 7 of the Call for Proposals.

8a. Telescope Justification:

Justification for the use of the selected telescope (e.g., VLT, APEX, etc...) with respect to other available alternatives.

8b. Observing Mode Justification (visitor or service):

Explain if a particular observing mode is specifically needed for this programme. If either can, in principle, be used then please enter N/A.

8c. Calibration Request:

Special Calibration - Adopt a special calibration

9. Report on the use of ESO facilities during the last 2 years

This macro is optional and can be commented out.

9a. ESO Archive - Are the data requested by this proposal in the ESO Archive (http://archive.eso.org)? If so, explain the need for new data.

Are the data requested in this proposal in the ESO Archive (http://archive.eso.org)? If yes, explain the need for new data.

9b. GTO/Public Survey Duplications:

Specify whether there is any duplication of targets/regions covered by ongoing GTO and/or Public Survey programmes. If so, please explain the need for the new data here. Details on the protected target/fields in these ongoing programmes can be found at:
GTO programmes: http://www.eso.org/sci/observing/teles-alloc/gto.html
Public Survey programmes: http://www.eso.org/sci/observing/PublicSurveys/sciencePublicSurveys.html
This macro is optional and can be commented out.

10. Applicant's publications related to the subject of this application during the last 2 years

Name1 A., Name2 B., 2001, ApJ, 518, 567: Title of article1

Name3 A., Name4 B., 2002, A&A, 388, 17: Title of article2

Name5 A. et al., 2002, AJ, 118, 1567: Title of article3

11. List of targets proposed in this programme

Run	Target/Field	α(J2000)	δ(J2000)	ToT	Mag.	Diam.	Additional info	Reference star
ABD	NGC 104	00 24 06	-72 04 58	3.0	5	30 min	47 Tuc	
A	NGC 253	00 47 33.1	-25 17 17.8	10.0	8		Seyfert gal.	
BC	NGC 1851	05 14 06.3	-40 02 50	8.0	8.8		glob. cluster	
B	NGC 1316	03 22 41.5	-37 12 33	15.0	9.7	10 min	Fornax A	
B	NGC 1365	03 33 36	-36 08 27	15.0	10		Seyfert gal.	
C	M 42	05 35.3	-05 23.5	2.0	4	1 deg		
C	Rosette	06 33.7	+04 59.9	3.0		1 deg	NGC 2237	
D	NGC 2997	09 45 38	-31 11 25	10.0			Sc galaxy	S133231219553
E	Alpha Ori	06 45 08.9	-16 42 58	1	-1.4	6 mas	Sirius	
F	Alpha Ori	06 45 08.9	-16 42 58	1	-1.4	6 mas	Sirius	

Target Notes: A note about the targets and/or strategy of selecting the targets during the run. For APEX runs please remember to specify the PWV limits for each target under 'Additional info' in the table above.

12. Scheduling requirements

This proposal involves time-critical observations, or observations to be performed at specific time intervals.

1. Run Splitting

Run	splitting
B	1,10s,1
C	2,10s,2,20w,2,15s,4H2

2. Link for coordinated observation

Run 1		Run 2	delay
B	after	A	10
C	after	B	
E	simultaneous	F	

3. Unsuitable period(s) of time

Run	from	to	reason
A	15-jan-19	18-jan-19	Insert explanation of unsuitable time here.
B	15-jan-19	18-jan-19	Insert explanation of unsuitable time here.
C	20-jan-19	23-jan-19	Insert explanation of unsuitable time here.

12. Scheduling requirements contd...

4. Specific date(s) for time critical observations:

Run	from	to	reason
A	12-nov-18	14-nov-18	Insert reason for time-critical observations.
D	1-nov-18	2-nov-18	Insert reason for time-critical observations.
D	17-nov-18	18-nov-18	Insert reason for time-critical observations.
D	23-nov-18	24-nov-18	Insert reason for time-critical observations.

13. Instrument configuration

Period	Instrument	Run ID	Parameter	Value or list
102	FORS2	A	Detector	MIT
102	FORS2	A	IMG	ESO filters: provide list HERE
102	XSHOOTER	B	SLT	readout UVB,readout VIS,readout NIR
102	EFOSC2	C	Imaging-filters	EFOSC2 filters: provide list here
102	NACO	D	IMG 54 mas/px VIS-WFS	provide list of filters HERE
102	XSHOOTER	E	SLT	readout UVB,readout VIS,readout NIR
102	XSHOOTER	F	SLT	readout UVB,readout VIS,readout NIR

6b. Co-investigators:

...continued from Box 6a.

S.	Lichtman	1377