



Observing Application

Date: Jun 12, 2007
 Proposal ID: VLA/07C-227
Legacy ID: AK682
 PI: Shri Kulkarni
 Type: Rapid Response
 Exploratory Time
 Category: Galactic
 Total time: 1.0 hour

GRB 070610: A Curious Galactic Event

Abstract:

GRB\,070610 is a hard X-ray burst with a duration of only 5\,s. The X-ray and optical ``afterglow'' is roughly constant over two days. Factor of two changes are seen on timescales of minutes. This unusual behavior and the location of the event in the Galactic plane suggests that the event is a Galactic event. We argue that the source has no reasonable analogs. We request an exploratory observation of one hour to see if the source has a radio counterpart.

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Joint:

Not a Joint Proposal

Observing type(s):

Continuum, *

Resources:

Resource name	Tele. Conf.	Frontend & Backend	Set up
X	VLA Any	X Band 3.6 cm 8080 - 8750 MHz VLA Correlator - Single Channel Continuum	Bandwidth: 50 MHz Rest frequencies: 8435.1, 8485.1 MHz

Sources:

Source name	RA / RA Range	DEC / DEC Range	System	Velocity/z	Group name
GRB 070610	19:55:09.6 00:00:00	+26:14:05 00:00:00	J2000	0 km/s	

Sessions:

Session Name	Session Time	Repeat	Separation	LST Minimum	LST Maximum	Elevation Minimum
GRB070610	1.0 hour	1	0 day	00:00:00	24:00:00	0

Session Constraints:

Session Name	Constraint	Comments
GRB070610	Please schedule as soon as possible (hopefully the proposal makes a good case for rapid observations)	

Session Source/Resource Pairs:

Session Name	Source	Resource	Time	Figure of Merit
GRB070610	GRB 070610/	X	1.0 hour	0.1mJy/bm

Total Time per Configuration:

Configuration	Total Time
Any	1.0

Present for observation: no Staff support: None