



Observing Application

Date : Oct, 09 2010
 Proposal ID : VLA/10C-227
 Legacy ID : AC1023
 PI : Alessandra Corsi
 Type : Rapid Response -
 Exploratory Time
 Category : Extragalactic
 Total Time : 2.0

Late time follow-up of the broad-line Ic SN PTF10bzf

Abstract:

The discovery of a link between GRBs and SN Ib/c, yielded crucial support to the collapsar scenario for long GRBs. However, some long GRB events are not associated with an apparent SN, and many aspects of the GRB-SN connection are still far from being clearly understood.

Here we request for late time observations of the PTF discovered broad line Ic SN PTF10bzf. Deep late time observations will allow us to constrain the energetics of the SNe. PTF is discovering a large number of these SNe (5-10 per year) and it provides an opportunity to study the connection between SNe and GRBs.

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Related proposals:

Joint:

Not a Joint Proposal

Observing type(s):

Continuum

VLA Resources

Name	Conf.	Frontend & Backend	Setup
Cband	C	C Band 6 cm 4000-8000 MHz WIDAR OSRO1: 2 Subbands/Full polz	Rest frequencies: 4896.0, 5024.0 MHz Bandwidth: 128.0 MHz No. of Channels: 64 Poln. products: 4.0 Channel Width: 2000.0 kHz

Sources:

Name	Position		Velocity		Group
PTF10bzf	Coordinate System	Equatorial	Convention	Radio	Transients
	Equinox	J2000			
	Right Ascension	11:44:02.99	Ref. Frame	LSRK	
		00:00:00.0			
Declination	+55:41:27.6	Velocity	0.00		
	00:00:00.0				

Sessions:

Name	Session Time (hours)	Repeat	Separation	LST minimum	LST maximum	Elevation Minimum
OffAxisJet	2.00	1	0 day	00:00:00	24:00:00	0

Session Constraints:

Name	Constraints	Comments

Session Source/Resource Pairs:

Session Name	Source	Resource	Time	Figure of Merit	Subarray
OffAxisJet	PTF10bzf	Cband	2.0 hour	0.011 mJy/bm	

Present for observation: no

Staff support: None

Plan of Dissertation: no