** PROPOSAL COVER SHEET**

V6.0

Cycle 9 Call for Proposals: LWA1 Radio Observatory

Submit to: lwa@unm.edu by 11:59 MDT Oct. 30, 2020

Project title:

Project Summary (please do not write beyond this space):

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|  |

Project Investigators:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Name | Affiliation | Email |
| PI |  |  |  |
| Co-I |  |  |  |
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PI Contact Information

|  |  |  |  |
| --- | --- | --- | --- |
| Mailing address: |  | Phone number: |  |
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|  |  |  |  |

­Requested mode(s): Backend(s) for each requested mode:

LWA1 only DRX TBN TBW DR-Spec

LWA-SV only DRX TBN TBF DR-Spec

LWA1+SV Interferometer DRX

Observing Request Information (leave fields that do not apply to your setup empty):

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| LWA1 only time request: | hrs/beam: |  | nr of beams: |  |
| LWA-SV only time request: | hrs/beam: |  | nr of beams: |  |
| LWA1+SV interferometer time request: | hrs: |  | − | − |
| Repeated observations: length of each block (hrs): |  | | | |
| frequency of blocks (or when): |  | | | |
| Restrictions in observing time (time of day): |  | | | |
| Restrictions in observing time (time of year): |  | | | |

Special requirements (e.g. external trigger, outrigger dipole – describe use):

|  |
| --- |
|  |

Observational Details:

*Please give center frequencies (*ν1, ν2) *and corresponding bandwidth (BW) for each source. If more pointing positions are required, please attach a separate sheet with all details.*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Source 1** | | **Beam 1** | | | **Beam 2** | | **Beam 3**  (*LWA1 only)* | | **TBN** | |
| Name |  | (MHz) | | | (MHz) | | (MHz) | | (MHz) | |
| RA  (hh.h) |  | ν1 |  | | ν1 |  | ν1 |  | ν1 |  |
| Dec  (dd.d) |  | BW |  | | BW |  | BW |  | BW |  |
| LST beg (hh.h) |  | ν2 |  | | ν2 |  | ν2 |  | ν2 |  |
| LST end  (hh.h) |  | BW |  | | BW |  | BW |  | BW |  |
| **Source 2** | | **Beam 1** | | | **Beam 2** | | **Beam 3** | | **TBN** | |
| Name |  | (MHz) | | | (MHz) | | (MHz) | | (MHz) | |
| RA  (hh.h) |  | ν1 | |  | ν1 |  | ν1 |  | ν1 |  |
| Dec  (dd.d) |  | BW | |  | BW |  | BW |  | BW |  |
| LST beg (hh.h) |  | ν2 | |  | ν2 |  | ν2 |  | ν2 |  |
| LST end  (hh.h) |  | BW | |  | BW |  | BW |  | BW |  |
| **Source 3** | | **Beam 1** | | | **Beam 2** | | **Beam 3** | | **TBN** | |
| Name |  | (MHz) | | | (MHz) | | (MHz) | | (MHz) | |
| RA  (hh.h) |  | ν1 | |  | ν1 |  | ν1 |  | ν1 |  |
| Dec  (dd.d) |  | BW | |  | BW |  | BW |  | BW |  |
| LST beg (hh.h) |  | ν2 | |  | ν2 |  | ν2 |  | ν2 |  |
| LST end  (hh.h) |  | BW | |  | BW |  | BW |  | BW |  |
| **Source 4** | | **Beam 1** | | | **Beam 2** | | **Beam 3** | | **TBN** | |
| Name |  | (MHz) | | | (MHz) | | (MHz) | | (MHz) | |
| RA  (hh.h) |  | ν1 | |  | ν1 |  | ν1 |  | ν1 |  |
| Dec  (dd.d) |  | BW | |  | BW |  | BW |  | BW |  |
| LST beg (hh.h) |  | ν2 | |  | ν2 |  | ν2 |  | ν2 |  |
| LST end  (hh.h) |  | BW | |  | BW |  | BW |  | BW |  |