** 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 |       |       |       |
| Co-I |       |       |       |
| Co-I |       |       |       |
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| Co-I |       |       |       |

PI Contact Information

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

­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 |       |