MWA SHI SCIENCE PROJECT PROPOSAL

[Date circulated: 2020/12/07]

Project Title:	Radio exploration of a weak long duration X-ray flare observed by the XSM payload on board Chandrayaan-2
Principal Contact: The Principal Contact must be a member of the SHI collaboration (as defined in the MWA SHI Policy) and *cannot* be a student. Please provide institution affiliation and email address.	Divya Oberoi National Centre for Radio Astrophysics, Tata Institute for Fundamental Research, Pune, India. div@ncra.tifr.res.in
List of people involved: Please specify all the people who are expected to contribute to this project	Arpit Behera (Graduate student, NCRA-TIFR), Devojyoti Kansabanik (Graduate student, NCRA-TIFR), Divya Oberoi
Anticipated duration of the project:	2020/12/15 – 2021/04/14 (end date uncertain due to Covid-19 pandemic)
Is this project a part of the requirements for obtaining a degree: If yes, please provide some details	Yes, it is a part of the Graduate School requirements for Arpit Behera at NCRA-TIFR.
Project Summary: A rather unusual long duration but very weak (< GOES A class) flare was recently observed during the coordinated observing campaign between the MWA and the X-ray Solar Monitor (XSM) onboard ISRO's Chandrayaan-2, a lunar orbiter. This project will focus on the analysis of the MWA observations during this flare and analysis of multi-wavelength data for this flare.	