

Agenda for SuperDARN Data Governance and Applications Workshop

(16-17 September, 2026)

16 September, 2026

Venue: Earth meeting room on the 4th floor, Jiuzhang A Building, NSSC Zhongguancun Campus,

Address: Zhongguancun Nan'ertiao 1, Haidian District, Beijing, China

Presentation length: 15 min +5 min comments

Time	Activity		
08:00-09:00	Workshop registration (meeting sign-in)		
09:00-09:20	Opening Ceremony, host by MA Fuli		
09:20-13:00	SuperDARN Data Applications and Scientific Research Session		Chair
09:20-09:50	1) SuperDARN: past, present, and future (25 min + 5 min Q&A)	Gareth Chisham, BAS	ZHANG Jiaojiao
09:50-10:20	2) Invited talk (25 min + 5 min Q&A)	Glenn Hussey, USask	
10:20-10:50	3) Invited talk (25 min + 5 min Q&A)	Petra Heil, BAS	
10:50-11:20	Coffee break & group photo		
11:20-11:40	4)Conjugate observations of Auroral Ionosphere disturbances during the May 2024 Super Storm: Evidence from Chinese Antarctic and Arctic Stations	LIU Jianjun (Polar Research Institute of China)	
11:40-12:00	5) Data-driven simulation of storm-enhanced density and tongue of ionization during the May 10–11, 2024 superstorm (15 min + 5 min Q&A)	LIU Jing (Shandong University)	
12:00-12:20	6) Introduction of Japanese SuperDARN data application activity	Nozomu Nishitani (Nagoya University)	
12:20-12:40	7)Observation of shortwave fadeout events using CN-DARN during the severe solar storm in May 2024	TONG Junjie (NSSC, CAS)	
12:40-13:00	8) Compression of Earth's magnetopause down to 5 R _E during the superstorm on 10 May 2024	FU Wending (Beihang University)	
13:00-14:00	Lunch break		
14:00-17:40	SuperDARN Data Applications and Scientific Research Session (continued)		Chair
14:00-14:20	9) SuperDARN data products and science at BAS	Gareth Chisham	Glenn Hussey

14:20-14:40	10) Research on intelligent recognition and feature extraction methods for SuperDARN ionospheric echoes	ZHONG Jia (NSSC)	
14:40-15:00	11) Uncertainty-aware classification of SuperDARN near-range echoes	LIU Erxiao (Hangzhou Dianzi University)	
15:00-15:20	12) Deep learning-based identification and preliminary statistical characteristics of MSTID from CN-DARN observations	HUANG Wenlong (Anhui University of Technology)	
15:20-15:40	13) Extreme low-latitude auroral expansion driven by deep penetration of magnetospheric convection during the May 2024 superstorm	WANG Tonghui / DAI Lei (NSSC)	
15:40-16:00	14) Ionospheric scintillation and GNSS positioning performance over China during the May 2024 geomagnetic storm	CHEN Wenxi (NSSC)	
16:00-16:30	Coffee break		
16:30-16:50	15) Recent progress and applications of SuperDARN data	Carley Martin (USask)	Gareth Chisham
16:50-17:10	16) A statistical study of dawnside SAPS using CN-DARN for the first time	ZHAO Bianlong (Shandong University)	
17:10-17:30	17) Observations and mechanism analysis of unusual continental extended poleward-propagating medium-scale TIDs	WANG Wei (NSSC, CAS)	
17:30-17:40	Summary		

17 September, 2026 Closed meeting**Venue:** Huiyan meeting room on the 3rd floor, Jiuzhang B Building, NSSC Zhongguancun Campus**Address:** Zhongguancun Nan'ertiao 1, Haidian District, Beijing, China

Time	Topic	
09:00-10:30	SuperDARN Mirror Site Construction Session (Closed meeting)	
09:00-09:25	BAS Mirror Site	Paul Breen (BAS)
09:25-09:50	USASK Mirror Site	Carley Martin (USask)
09:50-10:15	NSSC Mirror Site	MA Fuli (NSSC, CAS)
10:15-10:30	Coffee break	
10:30-12:15	SuperDARN Data Governance and Data Services Session (Closed meeting)	
10:30-10:55	BAS Mirror: Data service & data management	Paul Breen (BAS)
10:55-11:20	USASK Mirror: Data service & data management	Saif Marei (USask)
11:20-11:35	NSSC Mirror: Data service & data management	XU Xin (NSSC, CAS)
11:35-11:50	Proposal for data service & data management specification	XU Qi (NSSC, CAS)
11:50-12:15	Discussion	
12:15-14:00	Lunch	
14:00-16:00	SuperDARN Data Working Group Meeting (Closed meeting)	
14:00-14:20	SuperDARN Data Working Group Charter Review	MA Fuli (NSSC, CAS)
14:20-14:40	Progress Report of the SuperDARN Data Working Group (DDWG)	MA Fuli (NSSC, CAS)
14:40-15:50	Discussion	
15:50-16:00	Summary	