

CEOS Cal/Val Workshop 2023

11-13 Oct 2023

Sunday evening: Guided Tour in Munich at 16:45

Monday 16th Oct 2023		Tuesday 17th Oct 2023		Wednesday 18th Oct 2023		
08:30		08:30	Characterization of the Amazon Rainforest Reflector for S-Band SAR Calibration Using TanDEM-X Data <i>Leon Dallmann</i>			
08:45	--- Registration --- Building 124 ground floor	08:45	Analysis About the Use of Worldwide Corner Reflectors for COSMO-SkyMed Second Generation Monitoring <i>Christina LEO, Jan A. Knapik / Johannes Meierhofer</i>			
09:00		09:00	Australian Support for Global SAR Satellite Calibration <i>Mudhary Thabragan</i>	09:00	SARCalNet (RMC Building 135 ground floor)	
09:15	Opening Boris Chagnon Welcome Alberto Moreira Agenda and Logistics Jens Heemann & Patrick Weiss	09:15	Extension of the RTA Calibration Field: Link to the ERSOS Network <i>Nuria Canal</i>	09:15		Welcomes Boris Chagnon Agenda and Logistics Jens Heemann / Joachim Roth
09:30		09:30	Spectrum Sharing at L-Band - Radio Frequency Interference From EDS-C Into Ground-Based Receivers <i>Tobias Richter</i>	09:30		TermsAR-X and TanDEM-X Mission Status <i>Manfred Zink</i>
09:45	Sentinel-1 Instruments Status, Product Performance and Evaluations <i>Murali Pichavoo</i>	09:45	CYCLOS: The Establishment of an Integrated COSMO/SAR Geohazards Monitoring and Cal/Val Infrastructure in the Mediterranean-Mediterranean Region <i>Chris Genova</i>	09:45		The Edited TanDEM-X DEM and the DEM Change Maps: The New Product in 30m Pointing <i>Matthias Luchter</i>
10:00	RADARSAT Constellation Mission Image Quality and Calibration Status <i>Melissa Leggett</i>	10:00	--- Coffee Break ---	10:00		TanDEM-X DEM 2023: What is new? <i>Birgit Weverl</i>
10:15	TerraSAR-X Ultra Stable Oscillator Temperature Drift Compensation <i>Thomas Kraus</i>	10:15	A Low Cost C-Band Active Reflector to Assist Sentinel-1 Imaging in Low Coherence Areas <i>Gerold Loh</i>	10:15		Approaching new users: Value added products derived from TerraSAR-X and TanDEM-X <i>Andreas Roth</i>
10:30	PAZ Mission Calibration Status <i>José Manuel Cuadrado Muñoz</i>	10:30	Overview and Future Prospects of DLR SAR Calibration Facility <i>Klaus Wollenburg</i>	10:30		TanDEM-X 4D Phase: Science and DEM Coverage <i>Markus Bachmann</i>
10:45	RADARSAT-2 Image Quality and Calibration Update <i>Dan Williams</i>	10:45	Next Features of SAR's WoodBard X-Band Transponder <i>Anna Maria Reibner</i>	10:45		A Next German X-Band SAR Mission <i>Elisabeth Rornow-Duque</i>
11:00	--- Coffee Break ---	11:00	Upgrade of ESA Sentinel-1 Transponders - Part 2 <i>Markus Kuehle</i>	11:00		Recommendation/Discussion
11:15	Interferometric Calibration in Lur'an - 2 to Ensure the Global Digital Elevation Quality? <i>Jingnan Mao</i>	11:15	Sentinel-2/20 Calibration and Validation Sites <i>Dirk Grottelner</i>	11:15		
11:30	EDS-04 (DSAT-14) Strip and ScanSAR Full-Product Evaluation for Calibration <i>Yuhangchun Rao</i>	11:30	MACCOM Monitoring of Specific Rain Forest Sites as Part of Cal Activities <i>Thomas Fuchs</i>	11:30		
11:45	In-Orbit Performance Assessment Using Internal Instrument and Absolute Calibration of ERSAR <i>Jayashankar Sethuraman</i>	11:45	Validation of the Polarimetric Calibration of Sentinel-1 With Reference Point Targets <i>Kerstin Schmidt</i>	11:45	--- Coffee Break ---	
12:00	Recent Developments in Sentinel-2 Geometric Calibration - A Report by SAR MPC EUS Co-Cal <i>Christoph Geiger</i>	12:00	Analysis of Polarization-Sensitive Backscattering Characteristics of RCM Transponders <i>Sebastian Raab</i>	12:00	Scientific Exploitation of PAZ and Current Status <i>María José González Benito</i>	
12:15	External Cal-Val Implementation Strategy for Indian RISAT Series SAR Missions <i>Shikha Kulkarni</i>	12:15	Cal/Val of RCM for C-04 Imagery of Biogenic Slides <i>Guo Sijun</i>	12:15	Next CSA-DLR-RTA Scientific Announcement of Opportunity for combining C and X-Band data <i>Daniel De Lillo</i>	
12:30	Synthetic Image Radiometric Quality Assessment <i>Ronald Ouel</i>	12:30	Evaluation of ESA's Extended Timing Association Dataset Product for Sentinel-1 LGSAR Applications <i>Walter Weissenbacher</i>	12:30	The ESA ROSE-4 Mission <i>Miguelon Davila</i>	
12:45		12:45		12:45		
13:00	--- Lunch ---	13:00	--- Lunch ---	13:00	--- Lunch ---	
13:15		13:15		13:15		
13:30		13:30		13:30		
13:45	NSAR Level-0 and Level-1-1-0 Product Calibration <i>Brian Hawkins</i>	13:45	A Combined CEOS-ARD Format Specification for Synthetic Aperture Radar <i>François Charbonneau</i>	13:45	Status of NSAR: NSAR-SRO Synthetic Aperture Radar Mission <i>Gerard W. Balchen</i>	
14:00	Business External Calibration Plan <i>Antonio Leanza</i>	14:00	CEOS-ARD Compliance at the ASF DAAC <i>Thomas Lugin</i>	14:00	Status Update of ALOS-2/A Calibration and Validation <i>Takanori Matsuda</i>	
14:15	PRECURSOR - ECOS Mission Status and Expected Performance <i>Marcus Grottel</i>	14:15	Validation of the OPERA REC-61 ARD Product <i>Frank Meyer</i>	14:15	Sentinel-1 development status and evolution <i>Ramon Torres</i>	
14:30	Calibration Concept for the Copernicus Extension Mission ROSE-1 <i>Dirk Grottel</i>	14:30	CEOS Analysis Ready Data Using EDS on SAR* <i>Yuhangchun Rao</i>	14:30	The Earth Explorer Missions: EORADIS and Harmony <i>Björn Runnen</i>	
14:45	NSAR and OPERA Cal-Val Update <i>Klaus Christoph</i>	14:45	JAXA EORC Implementation of CEOS-ARD for ALOS-4/PALSAR-3, ALOS-2/PALSAR-2, ALOS-1/PALSAR <i>Shinichi Yamaguchi</i>	14:45	Recommendation/Discussion	
15:00	Calibration of Digital Beamformed Channels for the NSAR L-Band Instrument <i>Julian Kuehn</i>	15:00	CEOS-ARD PFS Compliant NSAR-1 ARD Production and Application Demonstration <i>Zhang-Shu Zhou</i>	15:00	--- Coffee Break ---	
15:15	--- Coffee Break ---	15:15	Towards a Family of SAR NIRS Products I <i>Christoph Zellmer</i>	15:15		
15:30	Autonomous Mission Pattern Optimization Based on Genetic Algorithms for Space SAR Systems <i>Sveny Schirmer-Schirmer</i>	15:30	Towards a Family of SAR NIRS Products II <i>Anna Weisshäfer</i>	15:30		
15:45	An In-Orbit Measurement Method for Division Antenna Pattern of X-Band/EOE Synthetic Aperture Radar Based on Range Calibration Satellites <i>Tian Qiu</i>	15:45	Sigma/Gamma/Beta Height Profile and Core: Calibration and Use of Terrain Corrected Products in the Age of Geocoded Single Look Complex Radar Images <i>Howard Zebker</i>	15:45		
16:00	In-Orbit Antenna Pattern Measurement of a LEO Radar Satellite by a Small Measurement Satellite Flying in Formation <i>Andreas Krieger</i>	16:00	--- Coffee Break ---	16:00	--- Tour on DLR Campus ---	
16:15	Machine Learning Based Onboard SAR Raw Data Compression <i>Nicola Galati</i>	16:15		16:15	- German Space Operations Center (GSOC)	
16:30	Development of an Innovative Overpass Management Tool for Reference Targets <i>Svenja Krieger</i> <i>Philipp Schuster</i>	16:30	--- Session Summaries ---	16:30	- Airborne SAR	
16:45	Estimation of Range Ambiguities for Correlation Based Calibration <i>Jan Hoff</i>	16:45		16:45	- Dronar & IOSIS	
17:00	Adaptive Calibration for Multi-Channel SAR Instruments <i>Jan Hoff</i>	17:00	--- Social Event Andechs ---	17:00	- DLR SAR Calibration Center	
17:15	Refining Sentinel-1 Radiometric and Pointing Calibration by On-Board Temperature Compensation Estimation <i>Andreas Krieger</i>	17:15		17:15		
17:30	Atmospheric Effects and Correction Studies on ALOS-2 PALSAR-2 Data <i>Haruya Hirata</i>	17:30		17:30		
17:45	--- Open Discussions ---					
18:00	--- Ice Breaker ---					
20:00						

Presentations marked with an asterisk (\*) will be given remotely.