



LIBYA-4 MEETING

Spot 4 - 20 m

Spot 5 - 10 m



You are welcome

Pléiades - XS - 2,8 m

Pléiades - P - 0,7 m

The Libya-4 Workshop



Why Libya-4 ?

- **Historically used for AVHRR calibration monitoring**
- **Not the best but probably the most used desert site by the on-orbit sensor calibration community**
- **One of the 5 CEOS selected calibration sites (PICS = Pseudo Invariant Calibration Site)**
- **Several recent studies presented at CEOS WGCV meeting**
 - ◆ **Calibration monitoring**
 - ◆ **Cross calibration of sensors**
 - ◆ **Site characterization and modelling**

Agenda

Thursday, October 4

09:30	Welcome introduction	Patrice Henry
09:40	Desert Sites in the Context of CEOS IVOS	Nigel Fox
10:00	Accuracy and Precision Requirements for Climate-Level Data Sets	Kurt Thome
10:30	General Characteristics of the Libya-4 Site: Stability, Homogeneity, Spectral Behaviour...	P. Henry / S. Lachérade / B. Fougne / B. Lafrance
11:10 COFFEE BREAK		
11:30	Development of physical Models of the Libya-4 Site for Calibration Purposes	Stephen Mackin
12:00	An Empirical Absolute Calibration Model Using Libya 4	Dennis Helder
12:30	A Libya-4 Directional Model based on POLDER/Parasol Data	Sophie Lachérade/ Bruno Lafrance
13:10 LUNCH BREAK		
14:30	Simulated Top-of-Atmosphere BRF over Libya-4 as Absolute Calibration Reference	Yves Govaerts
15:00	Using Ground Targets for Sensor On-orbit Calibration Support	Jack Xiong
15:30	Cloud Screening of desert sites data using METRIC (Meris Extraction Tool for Radiometric Indirect Calibration)	Ludovic Bourg
15:50	Filtering of SADE reference data over Libya-4 desert	Véronique Bruniquel
16:20 COFFEE BREAK		
17:00	What is missing and what can be improved in site characterization ? What can be exchange ? Who can do what ?	Discussion
18:00 End of the first day		

Agenda

Friday, October 5

09:00	DIMITRI Data and Results over Libya-4	Marc Bouvet
09:20	Comparison for simulated Reflectances with DIMITRI and actual VGT Reflectances over Libya-4	Françoise Vialtefont
09:40	SADE, a MultiSensors Calibration Data Repository	Patrice Henry
09:55	The CNES Intercalibration Method over Desert Sites	Sophie Lachérade
10:25	Matchup Strategy for Sensors Cross Calibration over Libya-4	Suzanne Angéli
10:45 COFFEE BREAK		
11:00	Use of Libya-4 site as Calibration Reference for (A)ATSR and SLSTR Sensors	Dave Smith
11:30	MERIS, MODIS and Parasol Intercalibration over Libya-4	Bertrand Fougnie
12:00	Cross-Calibration of UK-DMC-2 and Landsat 7 over the Libya 4 Site	Stephen Mackin
12:30 LUNCH BREAK		
14:00	Trending Landsat Calibration Using Libya 4	Dennis Helder
14:30	The SEVIRI Solar Channel Calibration System: a vicarious Calibration Algorithm for the Meteosat Imagers, using Desert Targets	Sebastien Wagner
14:50	Operational VGT Calibration Monitoring using Desert Sites	Patrice Henry
15:10 COFFEE BREAK		
15:30	The OSCAR (Optical Sensor Calibration with simulated Radiance Facility) for the PROBA-V Mission	Sindy Sterck
15:50	CEOS/IVOS-WG4 Results over Libya-4	Marc Bouvet
16:10	How to display the intercalibration results ? To who ? What about the accuracy studies ? How to progress ?	Discussion
17:10 End of the workshop		