

Lunar Photometry Workshop

Izaña June 7th & 8th 2017



MINISTERIO DE AGRICULTURA Y PESCA, ALIMENTACIÓN Y MEDIO AMBIENTE



June 7 th 2017			
09:00-10:00	Welcome and Overview		
09:00-09:05	E. Cuevas	AEMET	Welcome
09:05-09:40	C. Toledano	UVa	A review of past campaigns and recommendations made
09:40-09:50	All		Presentation of participants
09:50-10:00	A. Berjón	UVa	Workshop logistics
10:00-11:00	Instrument Development (Chair: C. Toledano)		
10:00-10:20	N. Kouremeti	PMOD	Upgrade and characterization of the lunar PFR
10:20-10:40	S. Victori	Cimel	Ground based remote sensing instrument in Networks
10:40-11:00	C. Lopez	Sieltec	Setup and use of new SONA products and its possible applications for AOD retrieval at night
11:00-11:30	Coffee break		
11:30-13:00	ROLO and AOD retrieval. Results. (Chair: T. Stone)		
11:30-12:00	T. Stone	USGS	The lunar phase dependence: causes and potential solutions
12:00-12:20	A. Barreto	Cimel/UVa	Nocturnal aerosol monitorin in Izaña high mountain station with CE318T
12:20-12:40	L. Blarel	CNRS	Evaluation of nighttime aerosol profile retrievals during the SHADOW-2 campaign : joint moon-photometer/elastic backscatter versus Raman retrievals
12:40-13:00	M. Mazzola	CNR	Moon-photometric aerosol optical depth measurements during Arctic polar night
13:00-14:30	Lunch		
14:30-16:00	Visit to the observatory		
16:00-16:50	ROLO and AOD retrieval. Results. (Chair: T. Stone)		
16:00-16:20	J. Jurysek	FZU	CE318-T photometer for Cherenkov Telescope Array (Chile, CTA)- first results
16:20-16:50	I. Slutsker	AERONET	Transfer of Solar irradiance calibration to Lunar irradiance calibration using Mauna Loa and Izaña observations (Telecon)
16:50-17:30	Open Discussion		

20:00. The workshop dinner will take place at the restaurant “El Rincón gomero” at La Esperanza (about 50minutes by car from Izaña) which is a typical Canarian food restaurant.

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June 8 th 2017			
09:00-09:30	Field campaign status		
09:00-09:30	A. Berjon	UVa	Field campaign status
09:30-10:30	Networks (Chair: C. Toledano)		
09:30-09:50	D. Santana	Luftblick	The Pandonia network for ground validation of satellite products
09:50-10:10	V. Aaltonen	FMI	FMI Lunar activities and future plans
10:10-10:30	C. Toledano	UVa	The POLARMOON project for polar aerosol research
10:30-11:00	Coffee break		
11:00-12:20	Star photometer and Synergy (Chair: A. Barreto)		
11:00-11:20	Doppler	DWD	Lunar and Star photometry AOD and PWV measurements at DWD/MOL-RAO observatory in Lindenberg
11:20-11:40	R. Román	UGr	The star photometer developed by the Atmospheric Physics Group of Granada: past, present and future
11:40-12:00	A. García	IAC	Atmospheric extinction in Astronomy. Results at Roque de los Muchachos Observatory
12:00-12:20	R. Román	UGr	Retrieval of aerosol properties profiles at night combining lunar photometer, lidar and sky camera measurements
12:20-12:40	M. Shiobara	NIPR	Nocturnal Aerosol Optical Thickness Measured with a Moon Photometer Developed by Improving the Prede Sky-Radiometer (Presented by C. Toledano)
12:40-13:00	Projection of the video "IZO2008 retrospective" (R. Stone)		
13:00-14:30	Lunch		
14:30-15:10	Star photometer and Synergy (Chair: A. Barreto)		
14:30-14:45	N. O'Neill	USherbrooke	Future of starphotometry and moonphotometry at PEARL. Overview of the new project on the analysis & validation of aerosol-cloud remote sensing data (Telecon)
14:45-15:10	L. Ivanescu	USherbrooke	Review of starphotometry at Eureka (Telecon)
15:10-15:50	Open Discussion, Summary		
15:50-16:30	Projection of the documentary "Izaña, the place to find the answers"		