



Teleconference Minutes

WMO SPICE Teleconference

Date	10.04.2013	Time	12:00 – 14:07 (UTC)
Purpose	SPICE (combined with SPICE DAT)		
IOC member attendees (strike though if not attending)	R. Nitu, B. Baker, J. Hendriks, E. Lanzinger , H. Liang , Y. A. Roulet , F. Sabatini , V. Vuglinsky		
IOC ex-officio member attendees (strike though if not attending)	S. Bilish (Australia) R. Nitu – C. Smith – D. Yang (Canada) , S. MacDonell (Chile) O. Aulamo (Finland) TBD (Japan) C. Zammit (New Zealand) M. Wolff (Norway) M. Karzynski (Poland) TBD (Russian Fed.) Y. A. Roulet (Switzerland) R. Rasmussen (USA) L. Lanza (Italy)		
Other Attendees (optional)	M. Colli, B. Day, M. Earle, B. Faisal, Andy Gaydos, B. Goodison, J. Hoover, P. Joe, J. Kochendorfer, T. Laine, S. Landolt, Janti Reid, I. Rüedi, A. Samanter, E. Vuerich, A. Poikonen		
Distribution	All attendees, IOC (including IOC ex-officio members)		
Moderator	Rodica Nitu	Recorder	Mike Earle

Meeting Records (A = Action / D = Decision / I = Information)

#	A / I / D	Item Description	Owner	Due Date
1	I	Review of proposed agenda for Davos meeting and associated document plan	Rodica	
2	D	Move discussion of heating configuration to first day of Davos meeting, following site reports. Include discussion of capping. This discussion to supersede break-out sessions scheduled for afternoon.		
3	A/D	DAT proposal of agenda for break-out sessions at Davos meeting, including proposals for required documents to be prepared in advance and any supporting information required.	Roy/ Eckhard (DAT)	30 Apr 2013
4	A	Coordination of strategy for snow on the ground session(s) at Davos meeting	Rodica/ Barry	
5	A	Rodica to coordinate with site managers re: outline of site reports for Davos meeting. Emphasis on heating, capping. Reports to be available for June 1.	Rodica	May 05/ June 01
6	A	Rodica to coordinate with Yves-Alain re: local arrangements for Davos meeting	Rodica/ Yves-Alain	April 30
7	A	Rodica to coordinate with Isabelle re: WebEx arrangements for Davos meeting	Rodica/ Isabelle	April 30
8	A	Group to provide any suggestions related to meeting agenda by next week. Agenda will then be posted online.	Everyone	15 Apr 2013
9	I	Isabelle shared list of responses to 3 rd call for SPICE participation (2013)		
10	A	Roy and Rodica to follow-up re: statistician for data analysis	Roy/ Rodica	
11	A	Rodica to coordinate preparation of summaries of new submissions. IOC to decide on participation	Rodica	April 30 May 15



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#	A / I / D	Item Description	Owner	Due Date
12	I	Matteo presented results from NCAR snow machine (laboratory) studies	Matteo	
13	A	Follow-up on provision of heaters by Geonor for submitted gauges	Roy/Scott/ Bruce	May 02
14	A	Updates on status of commissioning reports from site managers	Site man- agers	2 May 2013
15	A	Call for volunteers to review site commissioning reports		2 May 2013
16	A	DAT next teleconference: April 26, 12 UTC; agenda to follow	Eckhard	
		For next teleconference(s): Wed 2 May: <ul style="list-style-type: none"> • Refined Agenda for Davos Meeting • Documentation Plan for Davos Meeting • DAT update • Site updates (incl. data transfer to NCAR) • Review of open actions 		



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Open Actions

#	A / I / D	Item Description	Owner	Due Date
From teleconference of 21 March 2013				
1	I	Presentation of the Valdai data (1991-2010) evaluation by Daqing Yang		
2	A	Provide 2 heating tapes for laboratory testing of Geonor heaters	John/ Bruce	June 2013
3	D/A	Have a session on gauge heating during Davos meeting. Sites to provide input.		June 2013
4	A	Install second instrument of each type available in Sodankyla in the same configuration as first instrument.	Timo/ Osmo	1 Aug 2013
5	I	OTT is working on a modified shape of the Pluvios (not a modified heating) to prevent snow accumulation on the gauge shoulder		
6	A	Summary of lab work and plans for presentation in Davos	Matteo	Next teleconf (10 April 2013)
From teleconference of 21 February 2013				
1	D/A	Have a draft structure for the report on the reference by 8 March 2013	Eckhard / Rodica	31 March 2013
2	D	Involve experts not presently involved in SPICE in the review of the snow on the ground document	Rodica	April 30
3	A	To consult with experts from own and other services on the proposed snow on the ground document and feasibility of proposed approach; provide feedback to Rodica and Barry Barry to approach GCW community	All	8 March 2013
4	D	Share protocols of DAT teleconference with the whole SPICE project team	Eckhard	Following DAT teleconferences
6	I/D	NCAR heaters not able to maintain a rim temperature below 0°C in Haukelisetter (Norway) when very cold, or cold and very windy. Objective of heaters is to maintain a temperature of 2°C on the gauge rim. Heating power can be adjusted by sites to reach this objective, but has to be documented.		
From teleconference of 14 February 2013				
4	A	To implement Ott heating algorithm to 4 Pluvios of Sodankyla (1 in R2, 2 in R3, and one for the instrument provided by Ott) and document time of change	Osmo	Feb. 2013
6	A	Check whether instruments were received in pairs in Sodankyla, according to SPICE-IOC-2 meeting (Boulder) decision and consider possible installation of those instruments still during this winter. If so, details of mounting (according to manufacturer specification or alternate mounting) should be agreed by IOC beforehand, after consultation with manufacturers.	Osmo	28 Feb 2013
From teleconference of 31 January 2013				
5	A	Invite sites to provide favourite dataset	Eckhard	24 Feb
From teleconference of 24 January 2013				



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#	A / I / D	Item Description	Owner	Due Date
4	D/A	Agree with proposal to include 2 additional SHM30 sensors (ESW) on another testsite (tentatively in Poland) – Follow-up with potential testsite(s)	Rodica	28 Feb 30 April 2013
5	D/A	Agree with proposal to assign the third TBH-30 sensors (Hydrological Services America) to a remote site (Chile) or a site receiving large amounts of precipitation (New Zealand, Japan) – Follow-up with potential testsite(s)	Rodica	28 Feb 30 April 2013
7	A	DAT to review/finalize data QC procedures and present in teleconference	DAT	21 Feb 2013
10	D/A	Everyone who will be requesting a password for accessing data of NCAR archive must have signed the data protocol on a personal basis Sign data protocol if not already done: including DAT members	All	28 Feb 2013
From teleconference of 17 January 2013				
1	A	Compare results of Pluvio ² run with 1) Ott heating algorithm and 2) CRN heating algorithm. Pluvios need to be set-up in same environment (shields) for the test, not necessarily DFIRs.	Yves-Alain	June 2013
2	A	Compare performance of optical and capacitive precipitation detector and assessment of requirement to replace capacitive precipitation detectors in use in all references (R1, R2, R3) with optical detectors	Roy/Eckhardt	10 June 2013
3	A	Lobby for contribution to CIMO Trust Fund for hiring data analyst	All	
From teleconference of 19 December 2012				
2	A	Update status of gauges sent by OTT (if received, and if not, by when)	Daqing/ Craig, Roy (Scott)	
3	A	Any updates/changes regarding gauges provided by manufacturers or their configurations should be captured in project documentation (site commissioning report), with all associated details sent to Rodica/Isabelle.	All	
4	A	Site managers to ensure transfer of data to NCAR; to be conducted in parallel with other activities	All	
5	A	Provide login information for DAT members to access Marshall data on NCAR SPICE website	Roy/Scott/ Andy	
From teleconference of 26 November 2012				
3	A	Provide info to Chile, Australia on power requirements (reminder)	Bruce	Nov. 30
4	I	Geonor to provide heaters for 1500 mm gauges	Bruce	
5	A	Rodica to send Bruce an e-mail regarding how many heaters are required and where they're going	Rodica	
6	A	Share schematic for Geonor temperature controller	Rodica	
7	A	Finish summary of data loggers and distribute	Mike	
From teleconference of 16 November 2012				
1	A	Evaluate capping in lab at -10°C with and without heating algorithm on	Matteo	31 Dec.
2	A	Develop simple algorithm to eliminate noise in Geonor	Matteo	31 Dec.
3	A	Assess whether there is an impact on ability to measure if a transducer is exchanged with a temperature sensor (with a view to add a T sensor to reference Geonor in DFIR if no impact)	Matteo	31 Dec.



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#	A / I / D	Item Description	Owner	Due Date
4	A	Develop a press release	Rodica / Isabelle	15-Dec. Oct 15
From teleconference of 8 November 2012				
2	A	Inquire about expertise of SLF people on measurement/reading of snow stakes with cameras	Yves-Alain	16-Nov-31 March 2013
4	A	Inquire on availability of meeting room for SPICE IOC-4	Yves-Alain	16-Nov.
From teleconference of 1 November 2012				
4	A	Follow up with Geonor on the use of heaters for Geonor 1500: use standard heaters, as supplied by the manufacturer	Bruce	Nov 16th
2	D/A	New call for instruments to be issued early 2013 (tentatively by end of January, with deadline for reply by end of March) focusing on emerging technologies	Secretariat	31 Jan 2013
3	D/A	Continue with weekly teleconferences until Jan 31st; then reassessed (Thursdays, 13 UTC), unless exceptions.	All	31 Jan 2013
From teleconference of 4 October 2012				
1	A	Address how the 6s data should be exchanged	Rodica Eckhard	10 April 2013 15-Dec 15-Oct
2	A	Quality checks available in NCAR archive	Scott/ Roy	15-Dec 15-Oct
From teleconference of 20 Sept. 2012				
1	A	Look at vertical wind profile: compare measurements with observations at different heights	John	4-Feb 1 Aug 2013 4-Nov.
From teleconference of 30 August 2012				
2	A	USA to do a repeatability study on calibration of Geonor	Bruce	5 May 2013 4-Oct

Attachments:

None.