



WMO/IOC/UNEP/ICSU
GLOBAL CLIMATE OBSERVING
SYSTEM (GCOS)

Doc. 3.2
(01.III.2012)

**4rd GRUAN Implementation-
Coordination Meeting (ICM-4)**

Session 3

Tokyo, Japan

5 March – 9 March 2012

Example of a site-specific data flow report

(Submitted by Michael Sommer)

Summary and Purpose of Document

This document contains an example of a site- specific data flow report.



Monthly Report of RS92 Measurements for Lindenberg (LIN-RS-01): 2012-01

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List of events

Time	B-No	Type	Set-up	DPS	Sondes								RS92 Products		
					RS92-SGPD	RS92-FN	SPC-6a	RS92-SGP	CFH-IMET	ENSCI-Z	IMET-1	COBALD	DFM-09	RAW-001	GDP-001
2012-01-01															
00:00	1	ROUTINE	S01	DC3-MW31	E1421256									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1421101									✓	✓
12:00	1	ROUTINE	S03	DC3-MW31	E1421103									✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1420862									✓	✓
2012-01-02															
00:00	1	ROUTINE	S01	DC3-MW31	E1420496									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1421249									✓	✓
12:00	1	ROUTINE	S04	DC3-MW31	E1421252									✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1421261									✓	✓
2012-01-03															
00:00	1	ROUTINE	S01	DC3-MW31	E1421069									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1421077									✓	✓
12:00	1	RESEARCH	S05	DC3-MW31			E2730121							✓	✗
12:00	1	RESEARCH	S05	DC3-MW31			E2730121							✓	✗
12:00	1	RESEARCH	S05	FN92-SUITE			E2730121								
18:00	1	ROUTINE	S02	DC3-MW31	E1421085									✓	✓
2012-01-04															
00:00	1	ROUTINE	S01	DC3-MW31	E1421083									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1421055									✓	✗
12:00	1	OZONE	S06	DC3-MW31	E1421047		6a19802							✓	✓

Time	B-No	Type	Set-up	DPS	Sondes								RS92 Products		
					RS92-SGPD	RS92-FN	SPC-6a	RS92-SGP	CFH-IMET	ENSCI-Z	IMET-1	COBALD	DFM-09	RAW-001	GDP-001
12:00	1	OZONE	S06	LIN-O3-SUITE			6a19802								
18:00	1	ROUTINE	S02	DC3-MW31	E1420896									✓	✓
2012-01-05															
00:00	1	ROUTINE	S07	DC3-MW31	E1420482									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1420218									✓	✓
12:00	1	ROUTINE	S08	DC3-MW31	E1421174									✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1420884									✓	✓
2012-01-06															
00:00	1	ROUTINE	S08	DC3-MW31	E1421078									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1420210									✓	✓
12:00	1	ROUTINE	S07	DC3-MW31	E1421034									✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1421087									✓	✓
2012-01-07															
00:00	1	ROUTINE	S07	DC3-MW31	E1421079									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1421063									✓	✓
12:00	1	ROUTINE	S07	DC3-MW31	E1421048									✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1421068									✓	✗
2012-01-08															
00:00	1	ROUTINE	S07	DC3-MW31	E1420216									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1420247									✓	✓
12:00	1	ROUTINE	S08	DC3-MW31	E1420246									✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1341701									✓	✓
2012-01-09															
00:00	1	ROUTINE	S07	DC3-MW31	E1420244									✓	✗
06:00	1	ROUTINE	S02	DC3-MW31	E1421179									✓	✓
12:00	1	ROUTINE	S07	DC3-MW31	E1421164									✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1420248									✓	✓
2012-01-10															
00:00	1	RESEARCH	S09	DC3-MW31			E2730069							✓	✓

Time	B-No	Type	Set-up	DPS	Sondes								RS92 Products		
					RS92-SGPD	RS92-FN	SPC-6a	RS92-SGP	CFH-IMET	ENSCI-Z	IMET-1	COBALD	DFM-09	RAW-001	GDP-001
00:00	1	RESEARCH	S09	DC3-MW31		E2730069								✓	✓
00:00	1	RESEARCH	S09	FN92-SUITE		E2730069									
06:00	1	ROUTINE	S02	DC3-MW31	E1420893									✓	✓
12:00	1	RESEARCH	S10	DC3-MW31			E1420846							✓	✓
12:00	1	RESEARCH	S10	STRATO				2L2501	2Z7374	S18867					
18:00	1	ROUTINE	S02	DC3-MW31	E1420845									✓	✗
2012-01-11															
00:00	1	ROUTINE	S07	DC3-MW31	E1421076									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1420203									✓	✓
12:00	1	OZONE	S11	DC3-MW31	E1420848		6a20378							✓	✓
12:00	1	OZONE	S11	LIN-O3-SUITE		6a20378									
18:00	1	ROUTINE	S02	DC3-MW31	E1420865									✓	✓
2012-01-12															
00:00	1	ROUTINE	S07	DC3-MW31	E1421056									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1421074									✓	✗
12:00	1	ROUTINE	S07	DC3-MW31	E1420193									✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1421032									✓	✓
2012-01-13															
00:00	1	ROUTINE	S07	DC3-MW31	E1421036									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1420958									✓	✓
12:00	1	OZONE	S11	DC3-MW31	E1421049		6a20338							✓	✓
12:00	1	OZONE	S11	LIN-O3-SUITE		6a20338									
18:00	1	ROUTINE	S02	DC3-MW31	E1420209									✓	✓
2012-01-14															
00:00	1	ROUTINE	S08	DC3-MW31	E1421082									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1421045									✓	✓
12:00	1	ROUTINE	S07	DC3-MW31	E1421028									✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1421038									✓	✗
2012-01-15															

Time	B-No	Type	Set-up	DPS	Sondes								RS92 Products			
					RS92-SGPD	RS92-FN	SPC-6a	RS92-SGP	CFH-IMET	ENSCI-Z	IMET-1	COBALD	DFM-09	RAW-001	GDP-001	
00:00	1	ROUTINE	S07	DC3-MW31	E1421043										✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1420477										✓	✓
12:00	1	ROUTINE	S07	DC3-MW31	E1420497										✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1420453										✓	✓
2012-01-16																
00:00	1	ROUTINE	S07	DC3-MW31	E1420462										✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1420510										✓	✓
12:00	1	ROUTINE	S12	DC3-MW31	E1421081										✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1420892										✓	✓
2012-01-17																
00:00	1	ROUTINE	S07	DC3-MW31	E1421070										✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1421033										✓	✓
12:00	1	RESEARCH	S09	DC3-MW31		E2730135									✓	✓
12:00	1	RESEARCH	S09	DC3-MW31		E2730135									✓	✓
12:00	1	RESEARCH	S09	FN92-SUITE		E2730135										
18:00	1	OZONE	S11	DC3-MW31	E1420839		6a19816								✓	✓
18:00	1	OZONE	S11	LIN-O3-SUITE			6a19816									
2012-01-18																
00:00	1	RESEARCH	S13	DC3-MW31	E1421064										✓	✓
00:00	1	RESEARCH	S13	STRATO				2L2324	2Z5793	S12723	145					
06:00	1	ROUTINE	S02	DC3-MW31	E1421039										✓	✓
12:00	1	OZONE	S11	DC3-MW31	E1420250		6a20383								✓	✓
12:00	1	OZONE	S11	LIN-O3-SUITE			6a20383									
18:00	1	ROUTINE	S02	DC3-MW31	E1421061										✓	✓
2012-01-19																
00:00	1	ROUTINE	S07	DC3-MW31	E1421167										✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1341695										✓	✓
12:00	1	ROUTINE	S08	DC3-MW31	E1421160										✓	✓

Time	B-No	Type	Set-up	DPS	Sondes								RS92 Products		
					RS92-SGPD	RS92-FN	SPC-6a	RS92-SGP	CFH-IMET	ENSCI-Z	IMET-1	COBALD	DFM-09	RAW-001	GDP-001
18:00	1	ROUTINE	S02	DC3-MW31	E1341700									✓	✓
2012-01-20															
00:00	1	ROUTINE	S07	DC3-MW31	E1421113									✓	✗
06:00	1	ROUTINE	S02	DC3-MW31	E1420461									✓	✓
12:00	1	ROUTINE	S07	DC3-MW31	E1420240									✓	✓
18:00	1	ROUTINE	S14	DC3-MW31	E1421052									✓	✗
2012-01-21															
00:00	1	ROUTINE	S07	DC3-MW31	E1421051									✓	✓
06:00	1	OZONE	S11	DC3-MW31	E1421065			6a20372						✓	✓
06:00	1	OZONE	S11	LIN-O3-SUITE				6a20372						✓	✓
12:00	1	ROUTINE	S07	DC3-MW31	E1421046									✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1421273									✓	✓
2012-01-22															
00:00	1	ROUTINE	S07	DC3-MW31	E1421171									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1420252									✓	✓
12:00	1	ROUTINE	S07	DC3-MW31	E1420234									✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1420484									✓	✓
2012-01-23															
00:00	1	ROUTINE	S07	DC3-MW31	E1420243									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1420505									✓	✓
12:00	1	ROUTINE	S07	DC3-MW31	E1421168									✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1420857									✓	✗
2012-01-24															
00:00	1	RESEARCH	S15	DC3-MW31				E2730122						✓	✓
00:00	1	RESEARCH	S15	DC3-MW31				E2730122						✓	✓
00:00	1	RESEARCH	S15	FN92-SUITE				E2730122						✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1420886									✓	✓
12:00	1	ROUTINE	S08	DC3-MW31	E1420874									✓	✗
18:00	1	ROUTINE	S02	DC3-MW31	E1420875									✓	✓

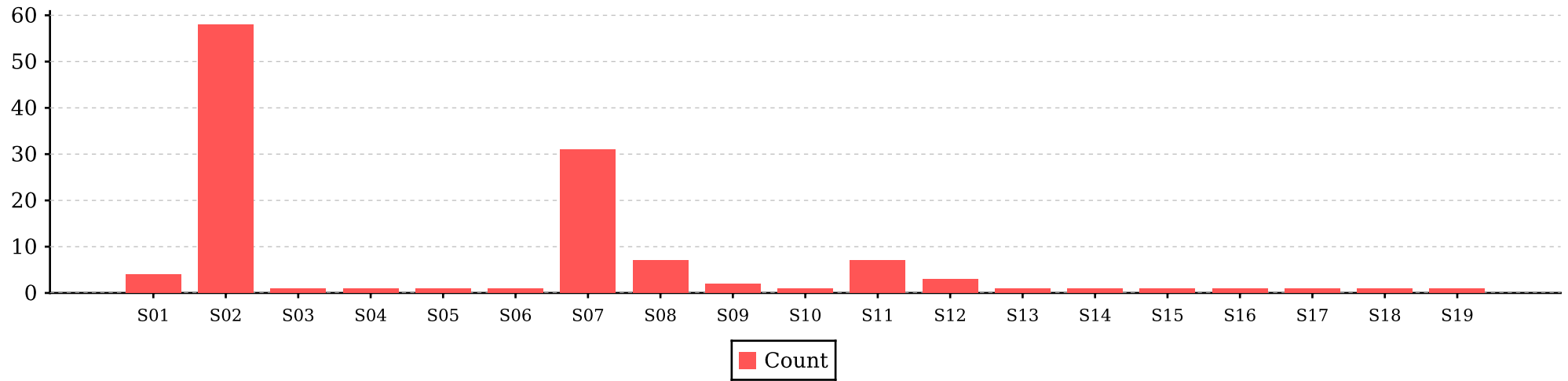
Time	B-No	Type	Set-up	DPS	Sondes								RS92 Products		
					RS92-SGPD	RS92-FN	SPC-6a	RS92-SGP	CFH-IMET	ENSCI-Z	IMET-1	COBALD	DFM-09	RAW-001	GDP-001
2012-01-25															
00:00	1	ROUTINE	S07	DC3-MW31	E1420483									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1420465									✓	✓
12:00	1	OZONE	S11	DC3-MW31	E1420486			6a20335						✓	✓
12:00	1	OZONE	S11	LIN-O3-SUITE				6a20335							
18:00	1	ROUTINE	S02	DC3-MW31	E1420225									✓	✓
2012-01-26															
00:00	1	ROUTINE	S12	DC3-MW31	E1421098									✓	✗
06:00	1	ROUTINE	S02	DC3-MW31	E1420487									✓	✓
12:00	1	RESEARCH	S16	DC3-MW31				E1420472						✓	✓
12:00	1	RESEARCH	S16	GRAWMET-5								119779			
18:00	1	ROUTINE	S02	DC3-MW31	E1420467									✓	✓
2012-01-27															
00:00	1	ROUTINE	S12	DC3-MW31	E1420196									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1420456									✓	✓
12:00	1	ROUTINE	S17	DC3-MW31	E1420481									✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1420452									✓	✓
2012-01-28															
00:00	1	ROUTINE	S07	DC3-MW31	E1420940									✓	✗
06:00	1	ROUTINE	S02	DC3-MW31	E1420455									✓	✓
12:00	1	ROUTINE	S08	DC3-MW31	E1420468									✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1420837									✓	✓
2012-01-29															
00:00	1	ROUTINE	S07	DC3-MW31	E1420463									✓	✓
06:00	2	ROUTINE	S02	DC3-MW31	E1421162									✓	✓
12:00	1	ROUTINE	S07	DC3-MW31	E1420464									✓	✓
18:00	1	ROUTINE	S02	DC3-MW31	E1420508									✓	✓
2012-01-30															
00:00	1	ROUTINE	S07	DC3-MW31	E1420451									✓	✓

Time	B-No	Type	Set-up	DPS	Sondes								RS92 Products		
					RS92-SGPD	RS92-FN	SPC-6a	RS92-SGP	CFH-IMET	ENSCI-Z	IMET-1	COBALD	DFM-09	RAW-001	GDP-001
06:00	1	ROUTINE	S02	DC3-MW31	E1420224									✓	✓
12:00	1	RESEARCH	S18	DC3-MW31		E2730093								✓	✓
12:00	1	RESEARCH	S18	DC3-MW31		E2730093								✓	✓
12:00	1	RESEARCH	S18	FN92-SUITE		E2730093									
18:00	1	ROUTINE	S02	DC3-MW31	E1421192									✓	✓
2012-01-31															
00:00	1	ROUTINE	S07	DC3-MW31	E1420230									✓	✓
06:00	1	ROUTINE	S02	DC3-MW31	E1421155									✓	✗
12:00	1	RESEARCH	S19	DC3-MW31	E1421176									✓	✓
12:00	1	RESEARCH	S19	GRAWMET-5								120656			
18:00	1	OZONE	S11	DC3-MW31	E1420219			6a22168						✓	✓
18:00	1	OZONE	S11	LIN-O3-SUITE				6a22168							
													129	114	

List of setups

Code	Count	Description
S01	4	DC3-MW31, DC3-GC25, POT100-B, TA1000, TP-103, UW-V30, SOLO, RS92-SGPD
S02	58	DC3-MW31, DC3-GC25, POT100-B, TA600, TP-088, UW-V30, SOLO, RS92-SGPD
S03	1	DC3-MW31, DC3-GC25, POT100-B, TA800, TP-088, UW-V30, SOLO, RS92-SGPD
S04	1	DC3-MW31, DC3-GC25, POT100-B, TA800, TP-088, UW-V30, SOLO, SOLO, RS92-SGPD
S05	1	DC3-MW31, DC3-MW31, DC3-GC25, POT100-B, FN92-SUITE, TA800, TP-088, UW-V30, SOLO, RS92-FN
S06	1	DC3-MW31, DC3-GC25, POT100-B, LIN-O3-SUITE, TA2000, PC110, UW1, SOLO, RS92-SGPD, SPC-6a
S07	31	DC3-MW31, DC3-GC25, POT100-B, TX1200, PC110, UW-V30-WPB, SOLO, RS92-SGPD
S08	7	DC3-MW31, DC3-GC25, POT100-B, TX1200, PC110, UW-V30, SOLO, RS92-SGPD
S09	2	DC3-MW31, DC3-MW31, DC3-GC25, POT100-B, FN92-SUITE, TX1200, PC110, UW-V30, SOLO, RS92-FN
S10	1	DC3-MW31, DC3-GC25, POT100-B, STRATO, TA3000, TP-160V-05, UW1, BAR, RS92-SGP, CFH-IMET, ENSCI-Z, IMET-1
S11	7	DC3-MW31, DC3-GC25, POT100-B, LIN-O3-SUITE, TX2000, PC110, UW1, SOLO, RS92-SGPD, SPC-6a
S12	3	DC3-MW31, DC3-GC25, POT100-B, TA1200, PC110, UW-V30-WPB, SOLO, RS92-SGPD
S13	1	DC3-MW31, DC3-GC25, POT100-B, STRATO, TX1200, TP-160V-05, UW1, BAR, RS92-SGPD, CFH-IMET, ENSCI-Z, COBALD, IMET-1, TWIG-LOC-GLE
S14	1	DC3-MW31, DC3-GC25, POT100-B, TA600, TP-088, UW-V30, SOLO, SOLO, RS92-SGPD
S15	1	DC3-MW31, DC3-MW31, DC3-GC25, POT100-B, FN92-SUITE, TX1200, PC110, UW1, SOLO, RS92-FN
S16	1	DC3-MW31, DC3-GC25, POT100-B, GRAWMET-5, TX1200, PC110, UW2, BAR, RS92-SGP, DFM-09
S17	1	DC3-MW31, DC3-GC25, POT100-B, TX1200, UW-V30-WPB, TP-088, SOLO, RS92-SGPD
S18	1	DC3-MW31, DC3-MW31, DC3-GC25, POT100-B, FN92-SUITE, TX1200, PC110, UW-V30-WPB, SOLO, RS92-FN
S19	1	DC3-MW31, DC3-GC25, POT100-B, GRAWMET-5, TX1200, PC110, UW2, SOLO, RS92-SGPD, DFM-09

Counts of launched setups



List of components and instruments

Code	Count	Name	Manufacturer
Balloon			
TA1000	4	Totex TA1000 Balloon	TOTEX (Totex)
TA1200	3	Totex TA1200 Balloon	TOTEX (Totex)
TA2000	1	Totex TA2000 Balloon	TOTEX (Totex)
TA3000	1	Totex TA3000 Balloon	TOTEX (Totex)
TA600	59	Totex TA600 Balloon	TOTEX (Totex)
TA800	3	Totex TA800 Balloon	TOTEX (Totex)
TX1200	46	Totex TX1200 Balloon	TOTEX (Totex)
TX2000	7	Totex TX2000 Balloon	TOTEX (Totex)
CheckTool			
DC3-GC25	124	Vaisala DigiCora III - GC25	VAISALA (Vaisala)
POT100-B	124	GroundCheck 100%-Pot - Version B	
DPS			
DC3-MW31	129	Vaisala DigiCora III - MW31	VAISALA (Vaisala)
FN92-SUITE	5	Fn92 Program Suite	HOMEMADE (Homemade)
GRAWMET-5	2	Grawmet-5-Computer	GRAW (GRAW Radiosondes GmbH & Co. KG)
LIN-O3-SUITE	8	Ozone Program Suite of Lindenberg	HOMEMADE (Homemade)
STRATO	2	Strato-Computer	
Locator			
TWIG-LOC-GLE	1	TWIG Locator G LE	TWIG (GeoSentric)
Parachute			
PC110	55	Aeromet Parachute PC 110	AEROMET (BBL Elektronik & Aeromet GmbH)
TP-088	63	Totex Parachute No. 088	TOTEX (Totex)
TP-103	4	Totex Parachute No. 103	TOTEX (Totex)
TP-160V-05	2	Totex Parachute No. 160V-05 (1.6 m) for Ozone	TOTEX (Totex)
Rig			
BAR	3	Bar-Rig	HOMEMADE (Homemade)
SOLO	123	Solo-Rig	HOMEMADE (Homemade)
Sonde			

Code	Count	Name	Manufacturer
CFH-IMET	2	Cryogenic Frostpoint Hygrometer (linked to IMET)	
COBALD	1	Compact Optical Backscatter AeroloL Detector (COBALD)	ETH (Eidgenössische Technische Hochschule (ETH) Zürich)
DFM-09	2	Graw DFM-09	GRAW (GRAW Radiosondes GmbH & Co. KG)
ENSCI-Z	2	ECC EnSci-Z	ENSCI (EN-SCI Corporation)
IMET-1	2	iMET-1	IMETUS (InterMet Systems (US))
RS92-FN	5	Vaisala RS92-FN	VAISALA (Vaisala)
RS92-SGP	2	Vaisala RS92-SGP	VAISALA (Vaisala)
RS92-SGPD	117	Vaisala RS92-SGPD	VAISALA (Vaisala)
SPC-6a	8	Science Pump ECC SPC-6a	SPC (Science Pump Corporation)
Unwinder			
UW1	11	60m Graw Unwinder	GRAW (GRAW Radiosondes GmbH & Co. KG)
UW2	2	30m Graw Unwinder	GRAW (GRAW Radiosondes GmbH & Co. KG)
UW-V30	75	30m Vaisala Unwinder	VAISALA (Vaisala)
UW-V30-WPB	36	30m Vaisala-Unwinder with paperboard	VAISALA (Vaisala)

Counts of used components and instruments

