

BBC Campaign

Description of Cabauw
see version March 3

BBC stations

06350 Gilzerijen
06260 De Bilt
06275 Deelen
06370 Eindhoven
06375 Volkel

Instrumentation

Owner	Instrument	Power	Connector	Dimensions		Housing requirements for PC/instrument	Cabauw	BBC-station (regional network)	Max. distance instrument and data acquisitie	Max. distance instrument and power supply	Electrical interference	Required free line of sight from KNMI installed at BCC regional network	Required maintenance assistance from KNMI when installed at BBC regional network	Presence in Cabauw during BBC	Facilities in Cabauw building
	Type	consumption	(CEE 220V)	size l x b x h (in mtr)	weight in kg		Network connection	Telephone line connection							
Chalmers (Harald Bouma)		< 1 kW	OK	1,5 x 1,5 x 1,2	100	Regular PC, dry conditions	Yes. Extra connection at start	Not needed	± 40 mtr.	± 40 mtr.	Use osc. at 21.0 - 31.4 GHz; Receive 20.5-21.5 and 30.9-31.9	Elevation ± 20° in 2 opposite direction Azimuth 30° windows	Not foreseen, if all goes well	First two weeks yes, later ???	No
CETP (Laurent Chardenal)	DRAKKAR	0.4 kW	OK	0.7 x 0.3 x 0.8	35	Yes, rack mounted (35 kg, H= 0,55)	Yes	Yes	25 mtr.	25 mtr.	No	No	Yes, also installing	Yes, a few days	-
DWD (Jürgen Güldner)	WVR 1100 (intercomp) and WVP/TP 3001 (intercomp and network)	0.6 kW	No. Try to stand	0.56 x 0.28 x 0.76	25	Yes	Yes	Yes	< 25 mtr.	<25 mtr.	become obvious during comparison	Yes, elevation > 20 deg	Yes, also installing	Yes	No. Required installation facilities. Need transportation after comparison to BBC station
UBern (Lorenz Martin)	Asmuwara	< 1 kW	No.	2 x 2 x 2	150	No (but need 1x1 (behind instrument)	Yes	Yes	Less 5 mtr.	Less 5 mtr.	At airports yes	Yes	Yes	Yes	Need transportation after comparison to BBC station, + 30 l liquid N2
MetOffice (Andrew McGrath, Catherine Gaffard)	MARSS	0.5 kW	Yes	0.56 x 0.28 x 0.76	25	Yes	Yes	-	± 30 mtr.	± 30 mtr.	-	Yes	Not for sure	Yes	No. Required installation facilities
UBonn (Suzanne Crewell)	MICCY	start up: 9-10 kW (5 min); next: 2-4 kW	Euro, 16A, 3 phase, need female	3.1 x 1.5 x 2.7, trailer 0.5 high	2600 (incl trailer)	PC in portocabin	yes (rj45 connector)	-	50 mtr	50 mtr	-	Elevation ± 20° in 2 opposite direction Azimuth 30° windows	Not foreseen	Yes	100 l Liquid N ₂ every 2 weeks
St. Petersburg (Boris Kutuza)		0.2 kW	No	0.8 x 0.4 x 0.5	30	Indoors, polyethylene window (1 x 2 m)	Not needed	Not needed	1 - 2 mtr.	3 mtr.	89,37.5, 22.235 GHz	Elevation 40 - 45 deg. Width 20 deg.	Yes, also installing	Yes	-