



2Gbps

This shows the current 2 Gbps recording status of the EVN (2023-11-04)

Telescope	Backend	Fila10G	Recorder	C-band [Gbps]	M-band [Gbps]	X-band [Gbps]	K-band [Gbps]	Q-band [Gbps]
Ef	DBBC2 (4)	External	M5B+ / Mark6	2	2	2	2	2
Nt	DBBC2 (4)	Internal	Flexbuff	2	2	2	2	-
On	DBBC2 (4)	Internal	Flexbuf	2	2	2	2	2
Ys	DBBC2 (4)	Internal	M5B+/Flexbuff	2	2	2	2	2
Hh	DBBC2 (4*)	Internal	M5C/ Flexbuff	2	2	2	2	-
Mc	DBBC2 (4)	External	Flexbuff	2	2	2	2	-
Sh	DBBC2 (4)	?	M5B+	2		2	2	-
T6	DBBC2 (4)	Internal	M5B+/Flexbuff	2	2	2	-	-
Ur	DBBC2 (4)	Internal	M5B+/Flexbuff	2		2	2	-
Km	DBBC2 (4)	Internal	M5B+/Mark62	2	2	2		
Ku	DBBC2 (4)	?	Mark6	2		2	2	-
Bd	R1002 DAS		M5B+	2		2	2	-
Sv	R1002 DAS		M5B+	2		2	2	-

Telescope	Backend	Fila10G	Recorder	C-band [Gbps]	M-band [Gbps]	X-band [Gbps]	K-band [Gbps]	Q-band [Gbps]
Zc	R1002 DAS		M5B+	2		2	2	-
Wb	DBBC2 (4-)	Internal	Flexbuff	2		2	-	-
Tr	DBBC2 (2)	External	M5B+/Flexbuff			2	2	-
Jb1 and Jb2	DBBC2 (4)	External	Flexbuff	2	2	-	2	-
Sr	DBBC2 (4)	Internal	Flexbuff	2	2	-	2	-
Mh	DBBC2 (4)	External	M5B+/Flexbuff			1 ^a	2	2
Ir	DBBC2 (4)	Internal	M5C/ Flexbuff	2		2	-	-
KVN	OCTAD	Experimental	Mark6	-		-	2	2
Ar (12m)	RDBE		Mark6	-	-	2	-	-
Ro70	DVP/ JPL	No	M5C	N/A		2	-	-

DBBC2 (4) means 4 ADB2 + 4 CORE2) with DDC mode 32 MHz x 8 channels x 2 pols = 256 MHz x 2 pols [digital backend]

DBBC2(4*) means 2 ADB2, 1ADB1 + 4 CORE2) with DDC2 mode 32 MHz x 8 channels x 2 pols = 256 MHz x 2 pols [digital backend]

DBBC2 (4-) means 4 ADB2 + 2 CORE2) with DDC mode 32 MHz x 8 channels x 2 pols = 128 MHz x 2 pols [digital backend] only WSRT due to 160 MHz telescope IF

DBBC2 (2) means 2 ADB2 + 2 CORE2). DDC Mode: 32 MHz x 4 channels x 2 pols = 128 x 2 MHz [digital backend]

R1002 DAS can do 32 MHz x 16 channels = 512 MHz [analog backend]

KVN has 32 MHz x 8 channels x 2 pols = 256 MHz x 2 pols [digital backend]

a) Only RCP

Ro70 K-band recording data rate limited by bandwidth (70MHz per pol)

Ro34 Q-band recording data rate limited by bandwidth (70MHz per pol)