

This shows the current 4 Gbps recording status of the EVN (2020-08-18)

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

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Wb	DBBC2 (4-)	Internal	Flexbuff	2 ^d		2 ^d	-	-
Tr	DBBC2 (4)	External	M5B+/Flexbuff	4		4	4	-
Jb1 and Jb2	DBBC2 (4)	External	Flexbuff	4	4	-	4	-
Sr	DBBC2 (4)	Internal	M5C/ Flexbuff	-	4	-	4	-
Mh	DBBC2 (4-)	External	M5B+/Flexbuff	-		2 ^e	4	4
Ir	DBBC2 (4)	Internal	Mark5C	4		4	-	-
KVN	OCTAD		Mark6	-		-	4	4
Ar	RDBE		Mark6	?		?	-	-
Ro70	DVP/JPL	No	M5C	N/A		4	-	-

DBBC2 (4) means 4 ADB2 + 4 CORE2

DBBC2 (4*) means 2 ADB2, 1ADB1 + 4 CORE2

DBBC2 (4-) means 4 ADB2 + 2 CORE2

DBBC2 (2) means 2 ADB2 + 2 CORE2

Available modes are DDC Mode: 32 MHz x 16 channels x 2 pols = 2 x 512 MHz (requiring 4 CORE2) or 64 MHz x 8 channels x 2 pols = 2 x 512 MHz

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

a) Only 400 MHz of IF bandwidth

b) Only 150 MHz of IF bandwidth

c) Only 390 MHz of IF bandwidth

d) Only 160 MHz of IF bandwidth

e) RCP only

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

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