

DBBC SYSTEMS DEPLOYMENT: STATUS MAY 2020

DBBC2

DBBC1 Noto (later updated to DBBC2)

DBBC1 Wettzell1 (later updated to DBBC2)

DBBC1 Wettzell2 (later updated to DBBC2)

DBBC1 Wettzell3 (later updated to DBBC2)

DBBC2 Effelsberg

DBBC2 Yebes

DBBC2 Auscope1 (Hobart12M)

DBBC2 Onsala1

DBBC2 SRT

DBBC2 Pico Veleta

DBBC2 APEX

DBBC2 Wark12M

DBBC2 Auscope2 (Kath12M)

DBBC2 Auscope3 (Yarr12M)

DBBC2 Torun

DBBC2 Irbene1

DBBC2 Hartebeesthoek1

DBBC2 Hartebeesthoek2

DBBC2 Auscope4 (Ceduna)

DBBC2 Medicina

DBBC2 Metsahovi

DBBC2 Auscope5 (Hobart26)

DBBC2 Tianma

DBBC2 Warkworth2 (New Zealand)

DBBC2 AVN (Ghana)

DBBC2 Ny Alesund

DBBC2 Onsala2

DBBC2 Yebes2

DBBC2 Jodrell Bank

DBBC2 Yebes3

DBBC2 Wettzell4

DBBC2 Westerbork

DBBC2 Warkworth3 (New Zealand)

DBBC2 Shanghai

DBBC2 Urumqi

DBBC2 SRT2

DBBC2 Irbene2

DBBC2 Kunming

DBBC2 NyAlesund2

DBBC2 FAST (under construction)

DBBC3

DBBC3-4L4H Upgrade APEX

DBBC3-4L4H Upgrade PicoVeleta

DBBC3-6L6H Hobart

DBBC3-2L2H Yebes

DBBC3-8L8H Onsala1

DBBC3-8L8H Onsala2

DBBC3-8L8H Ny Alesund1

DBBC3-8L8H Ny Alesund2

DBBC3-2L2H Effelsberg

DBBC3-2L2H Sejong (NGII)

DBBC3-6L6H Katherine

DBBC3-6L6H Yarragdee

DBBC3-8L8H Wettzell1

DBBC3-8L8H Sheshan

DBBC3-8L8H Methsahovi (FGRI)

DBBC3-4L8H Torun

DBBC3-2L2H Bonn

DBBC3-2L2H Wettzell2

DBBC3-4L4H Tianma

DBBC3-8L8H Wettzell3 (under construction)

DBBC3-8L8H Hartebeesthoek (under construction)

DBBC3-2L2H Urumqi (under construction)

DBBC3-6L6H SRT (administrative procedure under way)

DBBC3-6L6H Medicina ((administrative procedure under way)

DBBC3-6L6H Noto ((administrative procedure under way)

DBBC2 LATEST FIRMWARE STATUS

➤ DDC v107

Input bwd: 512 MHz (in the range 0-3,5 GHz)

4 bbc/Core2

Output bwd: 64 – 32 – 16 – 8 – 4 – 2 MHz

U & L (8 channel)

Complete under observation test

➤ DDC v108

Input bwd: 512 MHz (in the range 0-3,5 GHz)

4 bbc/Core2

Output bwd: 64 – 32 – 16 – 8 – 4 – 2 MHz ←----- Improved filter shapes

U & L (8 channel)

UNDER DEVELOPMENT (completed by the end 2020)

DBBC3 LATEST FIRMWARE STATUS

➤ DSC v110 (Full broad band)

Input bwd: 4096 MHz (in the range 0-15 GHz)

1 Band/Core3H

Output bwd: 4096 MHz

U / L (depending on the GCoMo setting)

DBBC3-2L2H: 32 Gbps

DBBC3-4L4H: 64 Gbps

DBBC3-6L6H: 96 Gbps

DBBC3-8L8H: 128 Gbps

Complete

➤ *OCT_S_v110 (Flexible broad single band)*

Input bwd: 4096 MHz (in the range 0-15 GHz)

1 bands/Core3H

Output bwd: 2048 – 1024 – 512 MHz

U / L (depending on the GCoMo setting)

DBBC3-2L2H: 16 Gbps

DBBC3-4L4H: 32 Gbps

DBBC3-6L6H: 48 Gbps

DBBC3-8L8H: 64 Gbps

Complete

➤ *OCT_D_v110 (Flexible broad double band)*

Input bwd: 4096 MHz (in the range 0-15 GHz)

2 bands/Core3H

Output bwd: 2048 – 1024 – 512 MHz

U / L (depending on the GCoMo setting)

DBBC3-2L2H: 32 Gbps

DBBC3-4L4H: 64 Gbps

DBBC3-6L6H: 96 Gbps

DBBC3-8L8H: 128 Gbps

Complete

➤ *DDC v123 V (VGOS tunable)*

Input bwd: 4096 MHz (in the range 0-15 GHz)

8 bbc/Core3H

Output bwd: 32 MHz

U & L (16 channel)

DBBC3-2L2H: 16 bbc, 4 Gbps

DBBC3-4L4H: 32 bbc, 8 Gbps

DBBC3-6L6H: 48 bbc, 12 Gbps

DBBC3-8L8H: 64 bbc, 16 Gbps

Complete

➤ *DDC v124 V (VGOS tunable)*

Firmware same as v123_V

Software including multicast packets

Complete

➤ **DDC v125 U (Unified)**

Input bwd: 4096 MHz (in the range 0-15 GHz)

16 bbc/Core3H

DBBC3-2L2H 32 bbc

DBBC3-4L4H 64 bbc

DBBC3-6L6H 96 bbc

DBBC3-8L8H 128 bbc

Output bwd: 128 – 64 – 32 – 16 – 8 MHz

U & L (32 channel)

Multicast packets

DBBC3-2L2H: 32 bbc, 32 Gbps

DBBC3-4L4H: 64 bbc, 64 Gbps

DBBC3-6L6H: 96 bbc, 96 Gbps

DBBC3-8L8H: 128 bbc, 128 Gbps

Complete - Observation test possible

