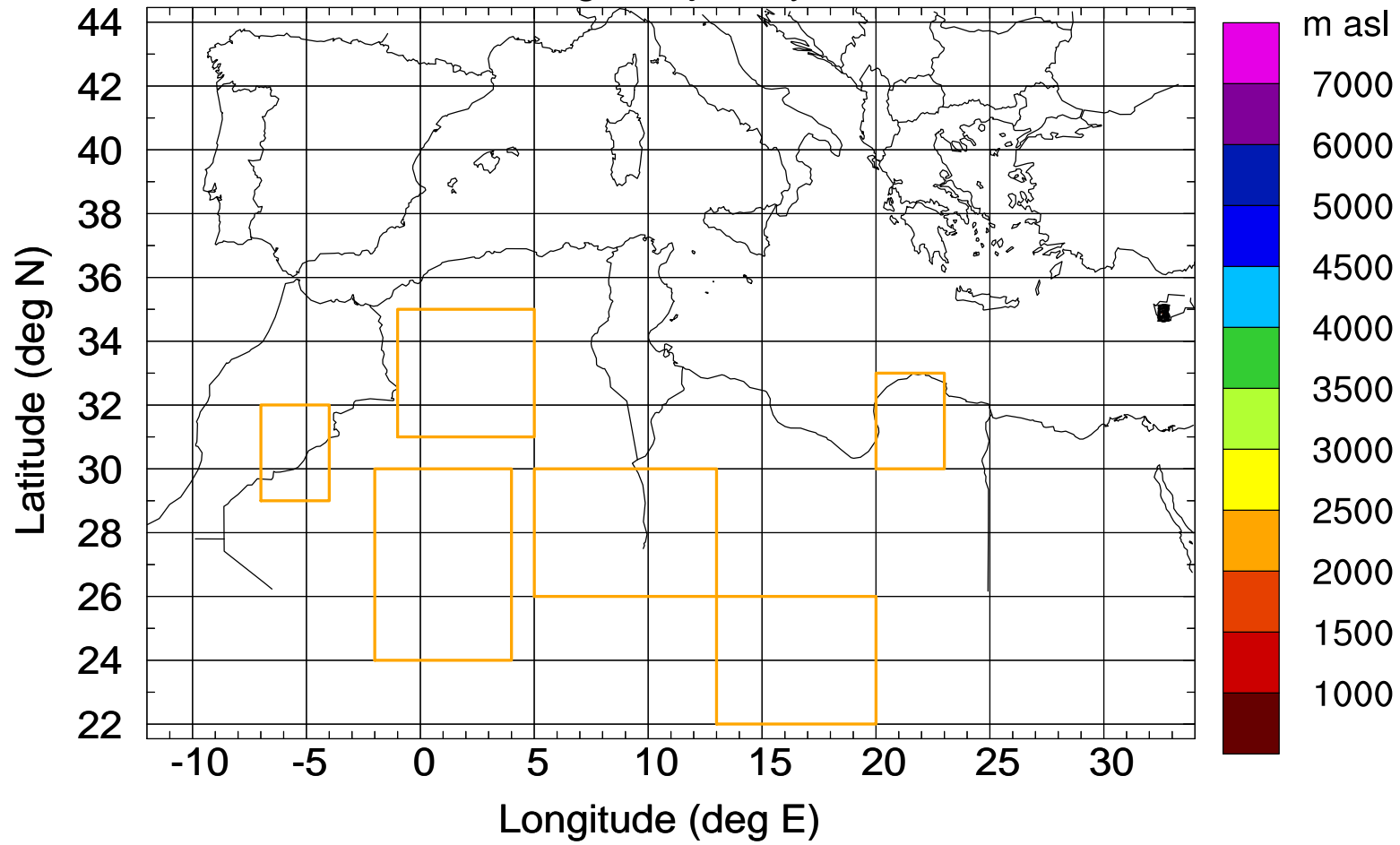


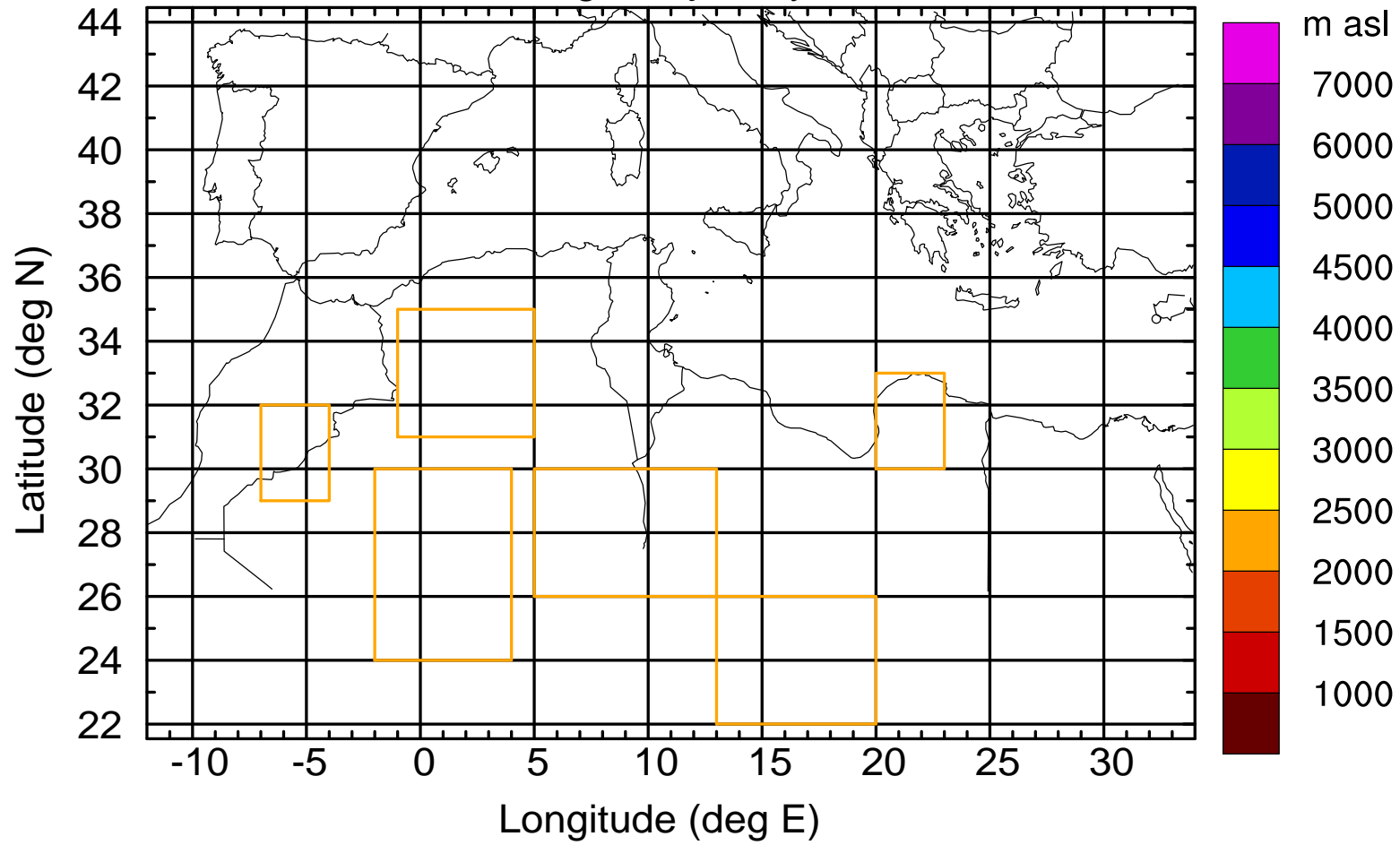
STS ground station 20170422

### Flight trajectory



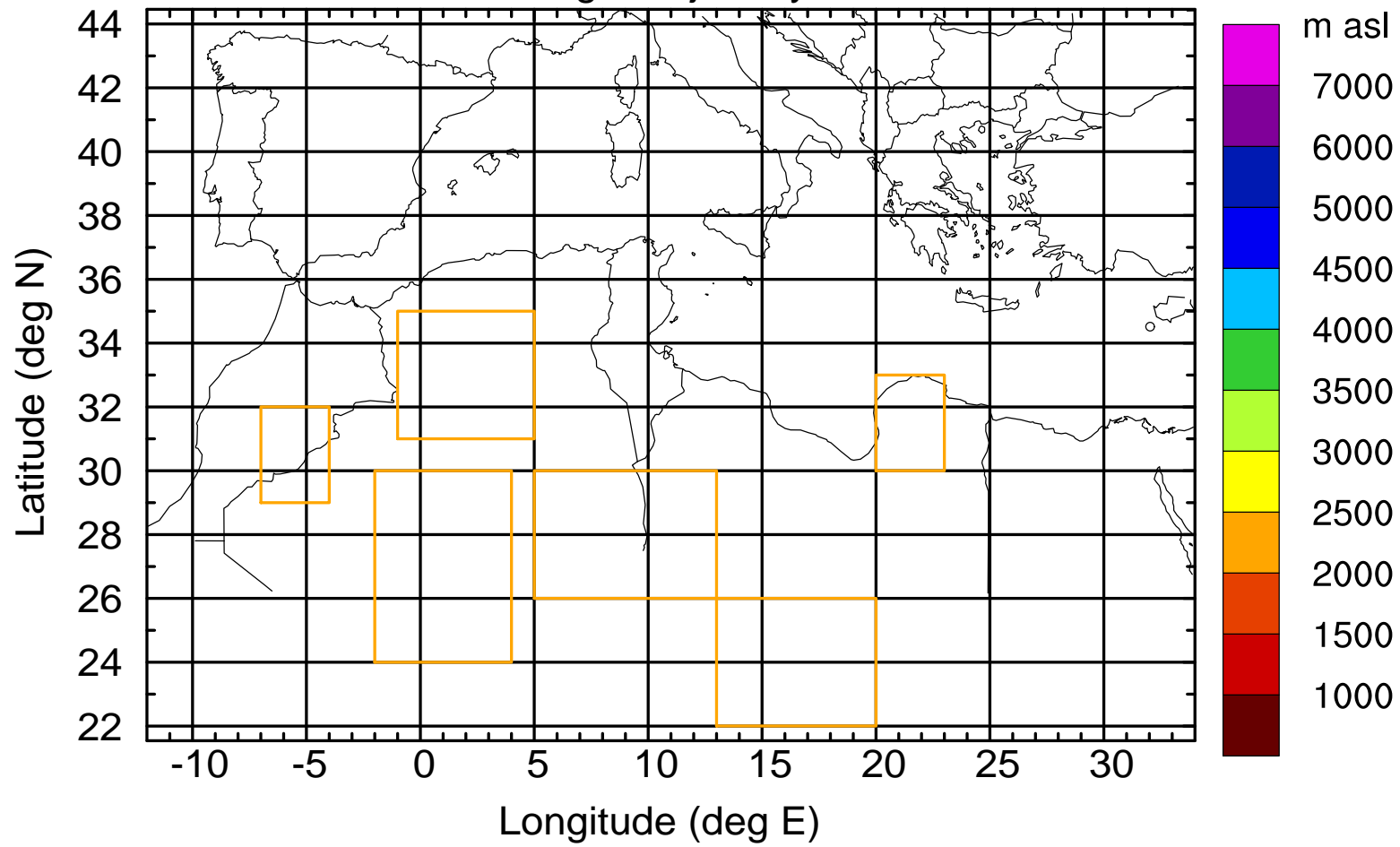
STS ground station 20170422

### Flight trajectory



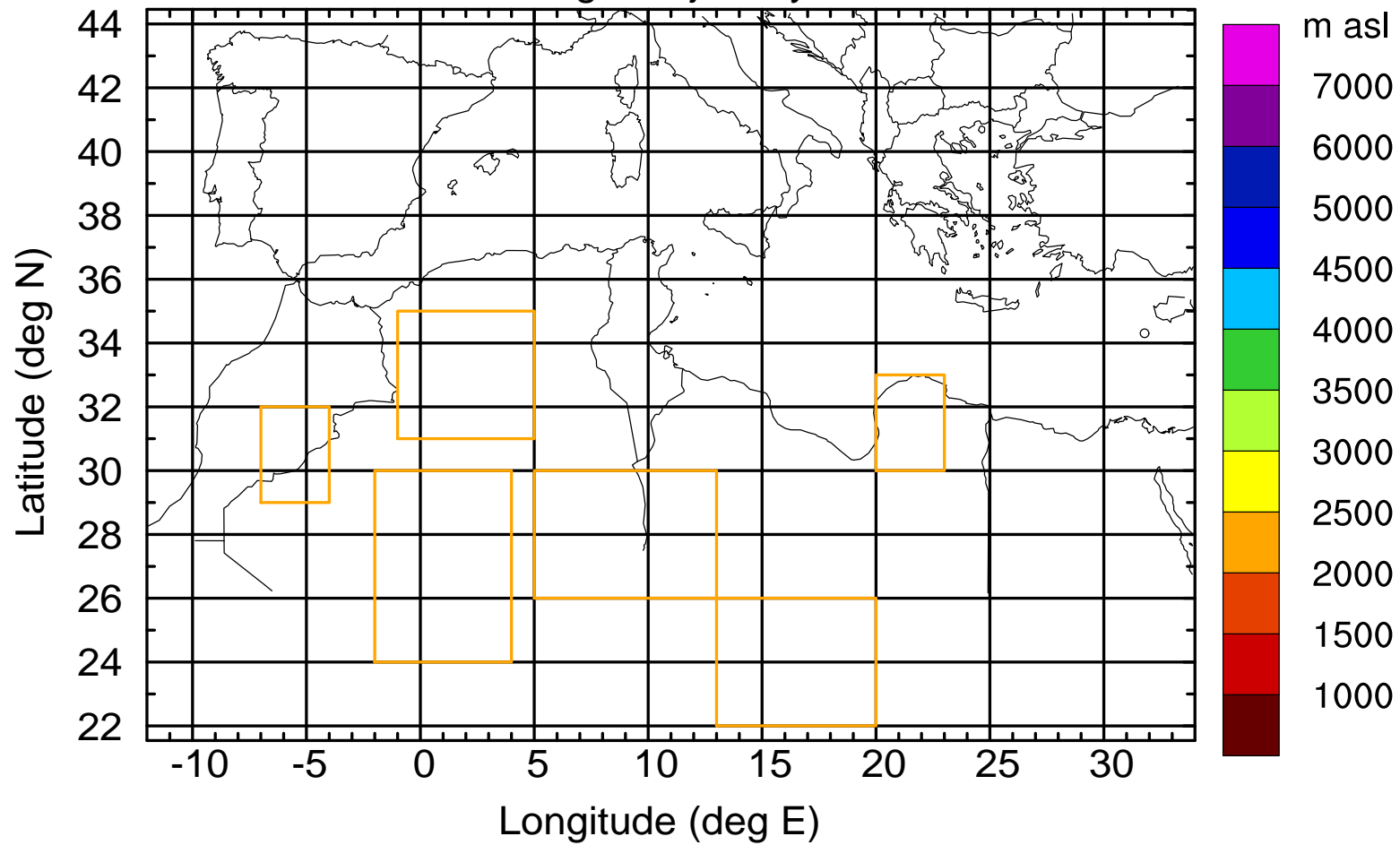
STS ground station 20170422

### Flight trajectory



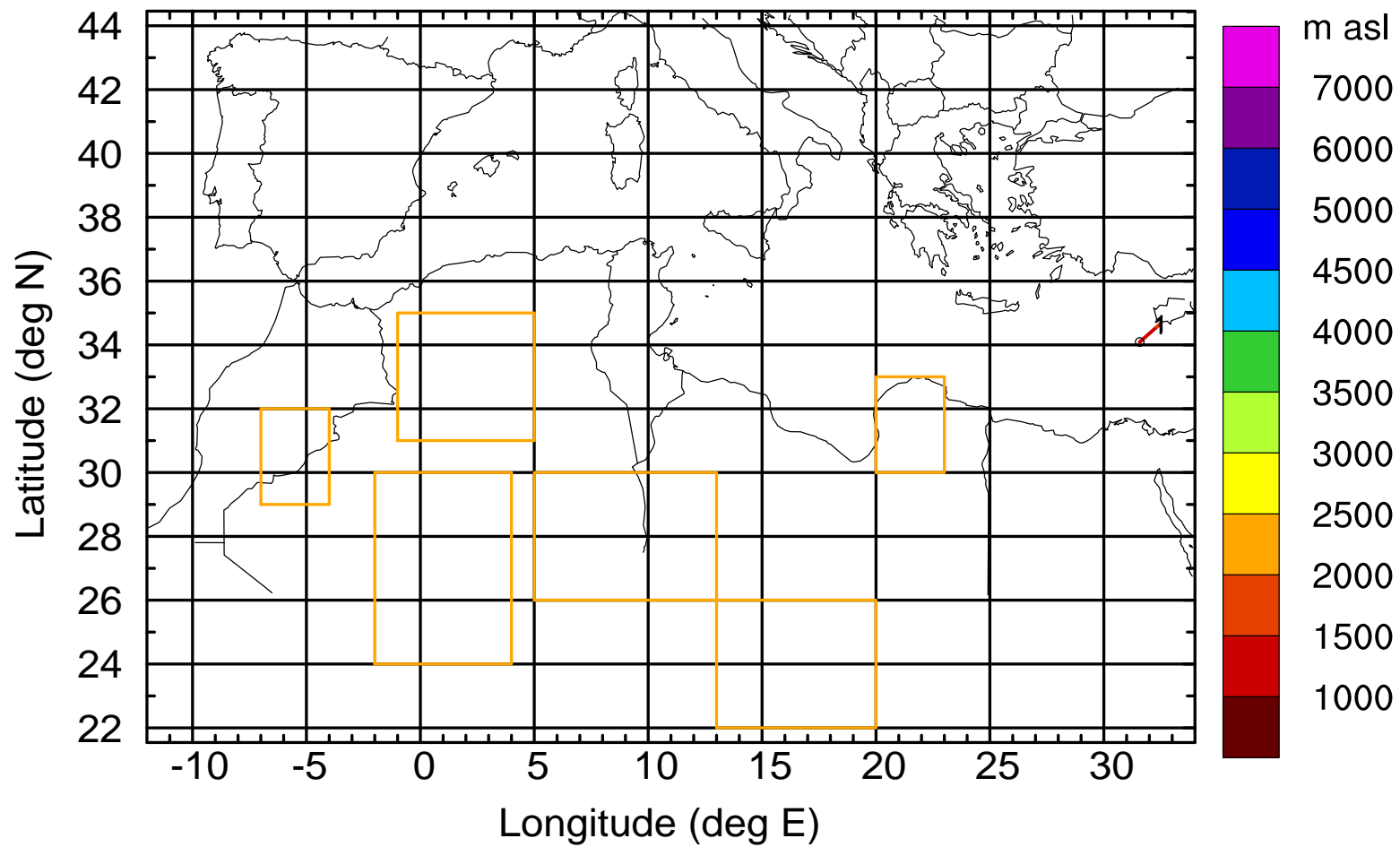
STS ground station 20170422

### Flight trajectory



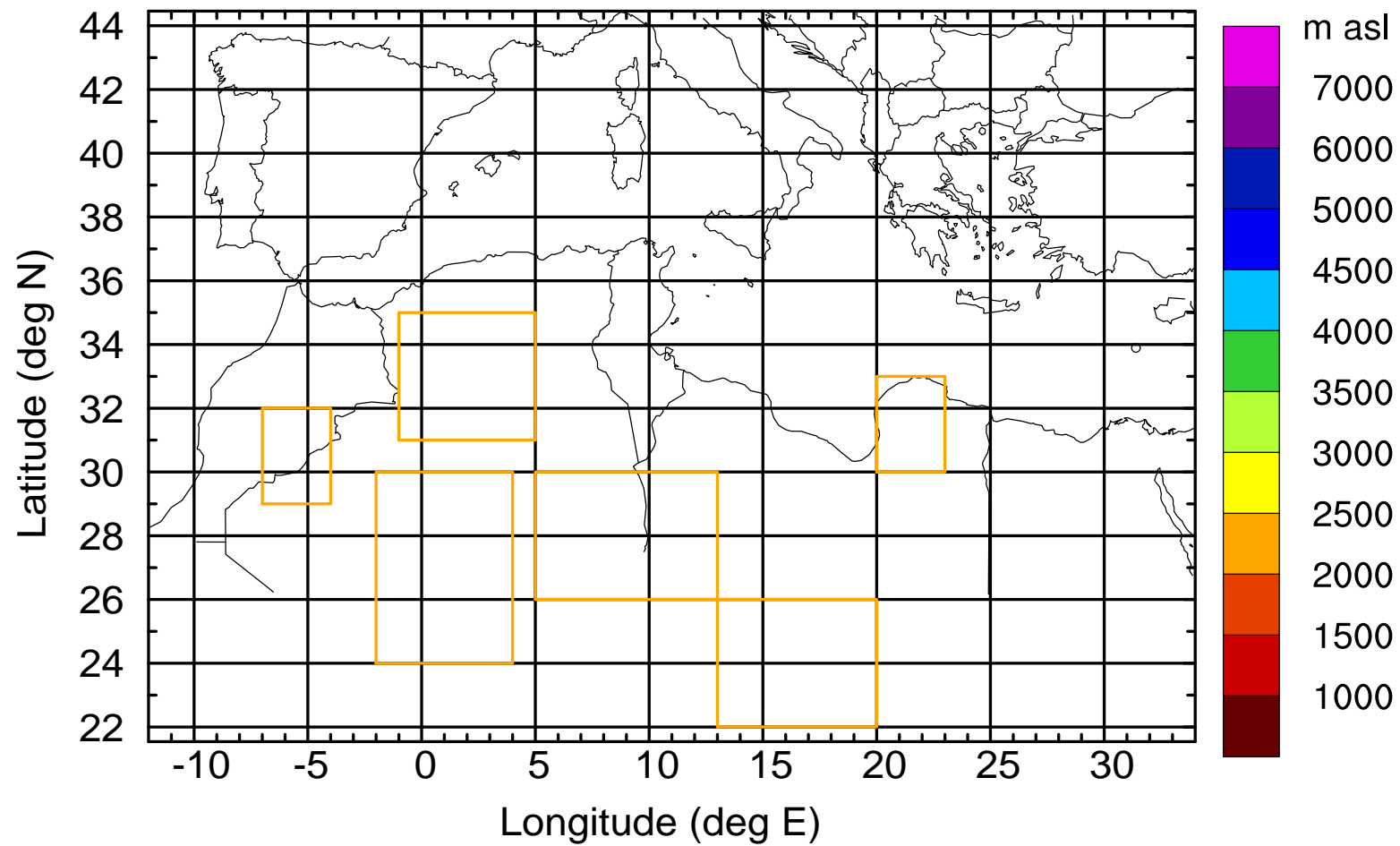
STS ground station 20170422

BWD 20170422/21 -04H = 22/17 UTC



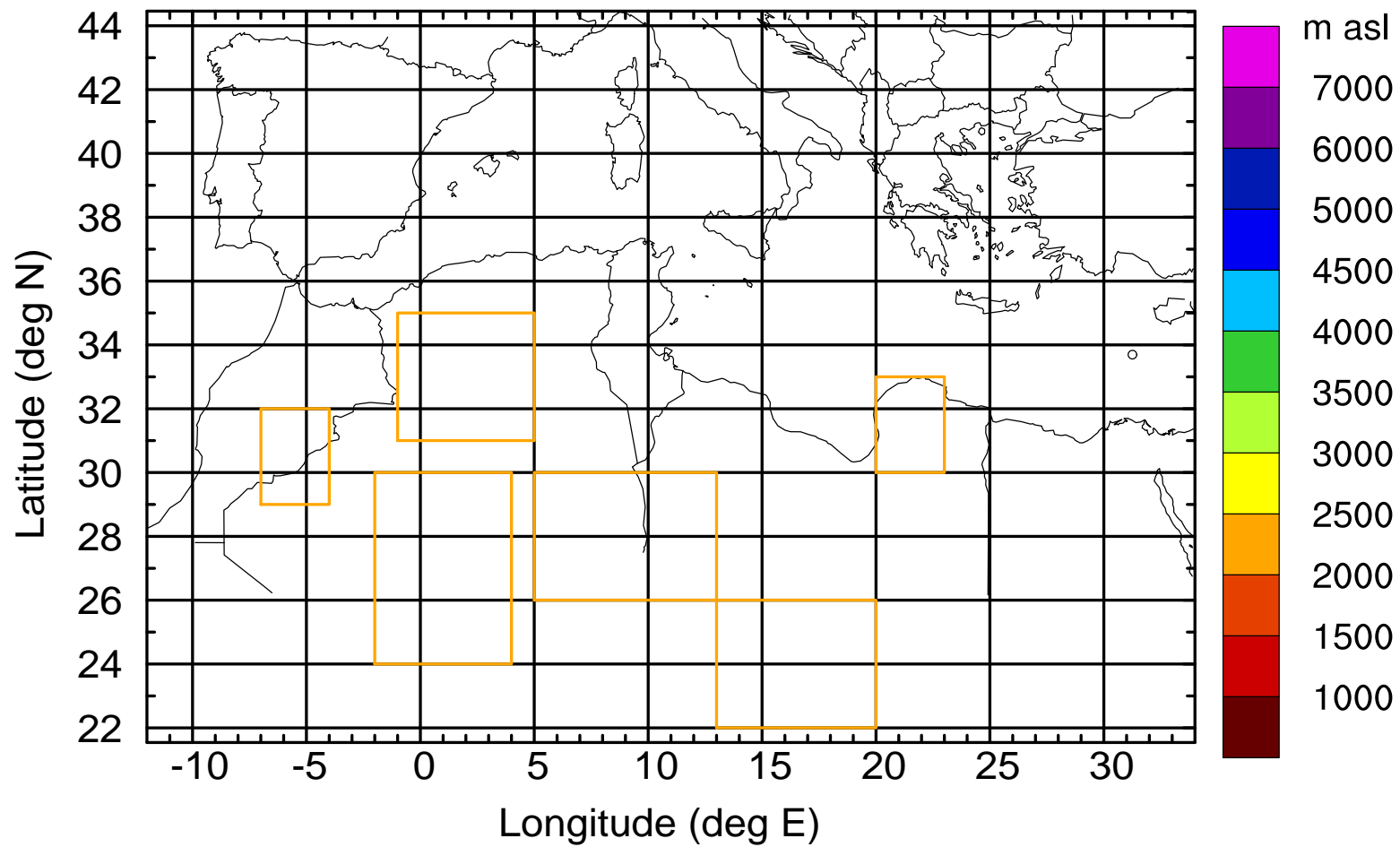
STS ground station 20170422

BWD 20170422/21 -04H = 22/17 UTC



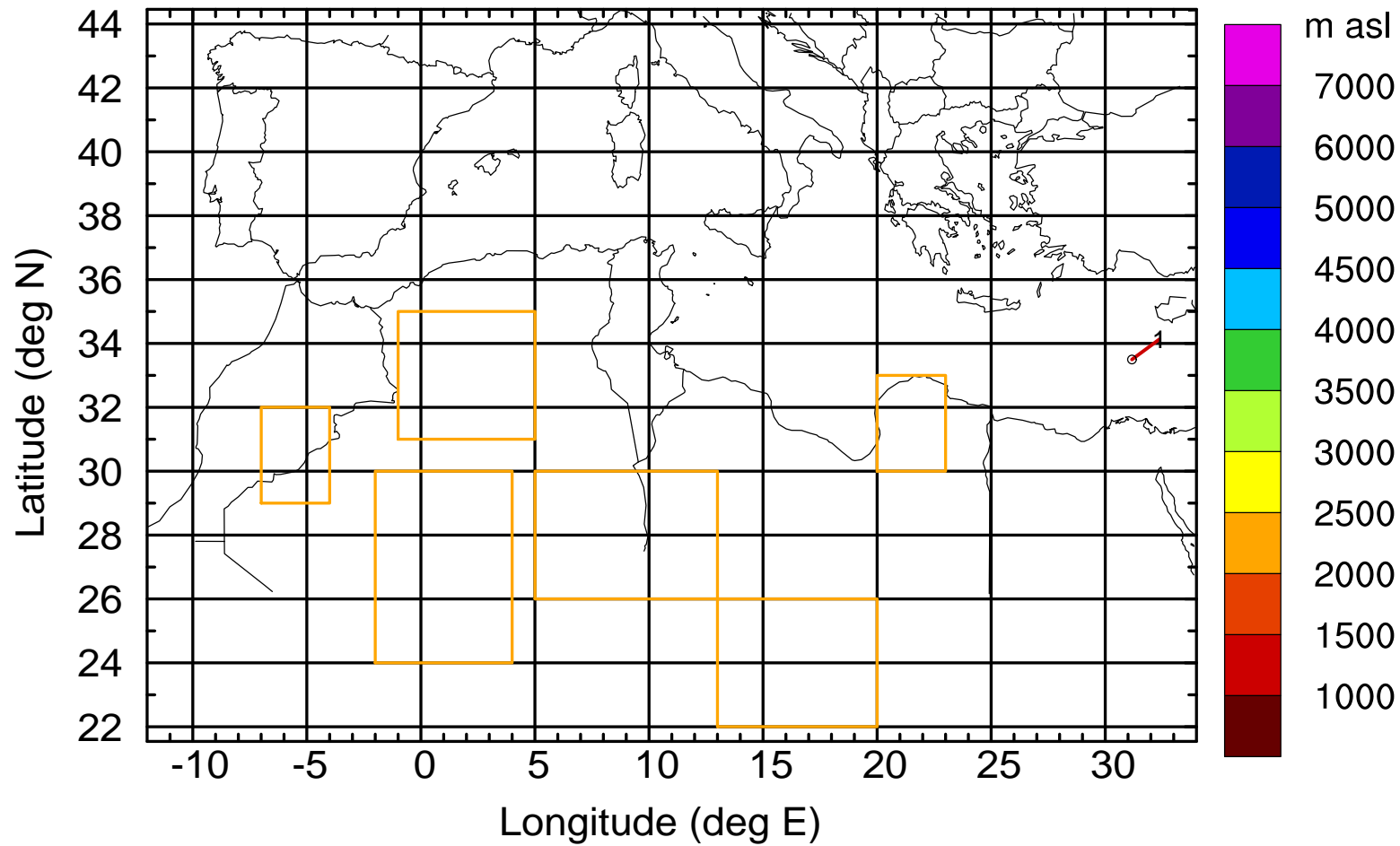
STS ground station 20170422

BWD 20170422/21 -04H = 22/17 UTC



STS ground station 20170422

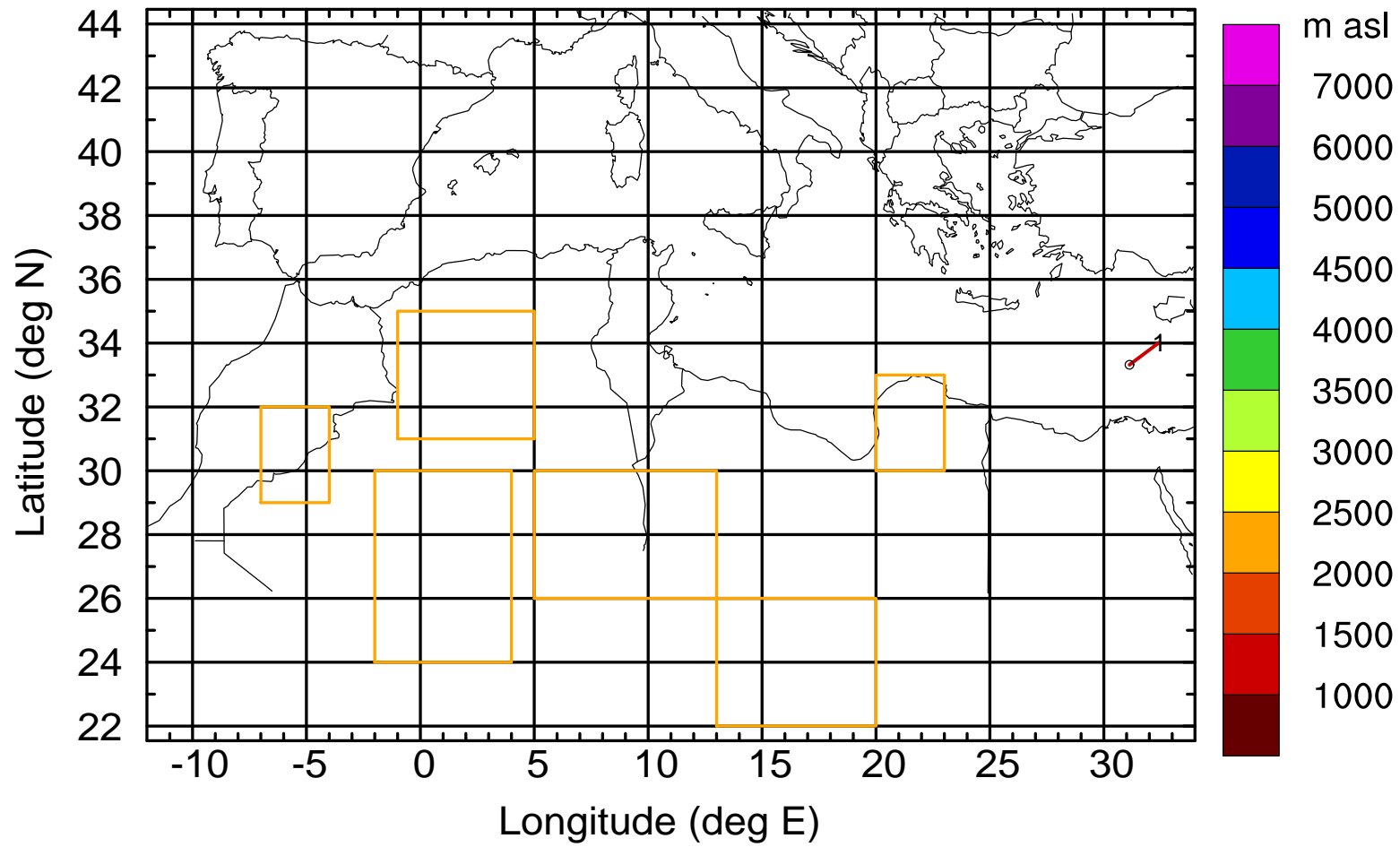
BWD 20170422/21 -07H = 22/14 UTC





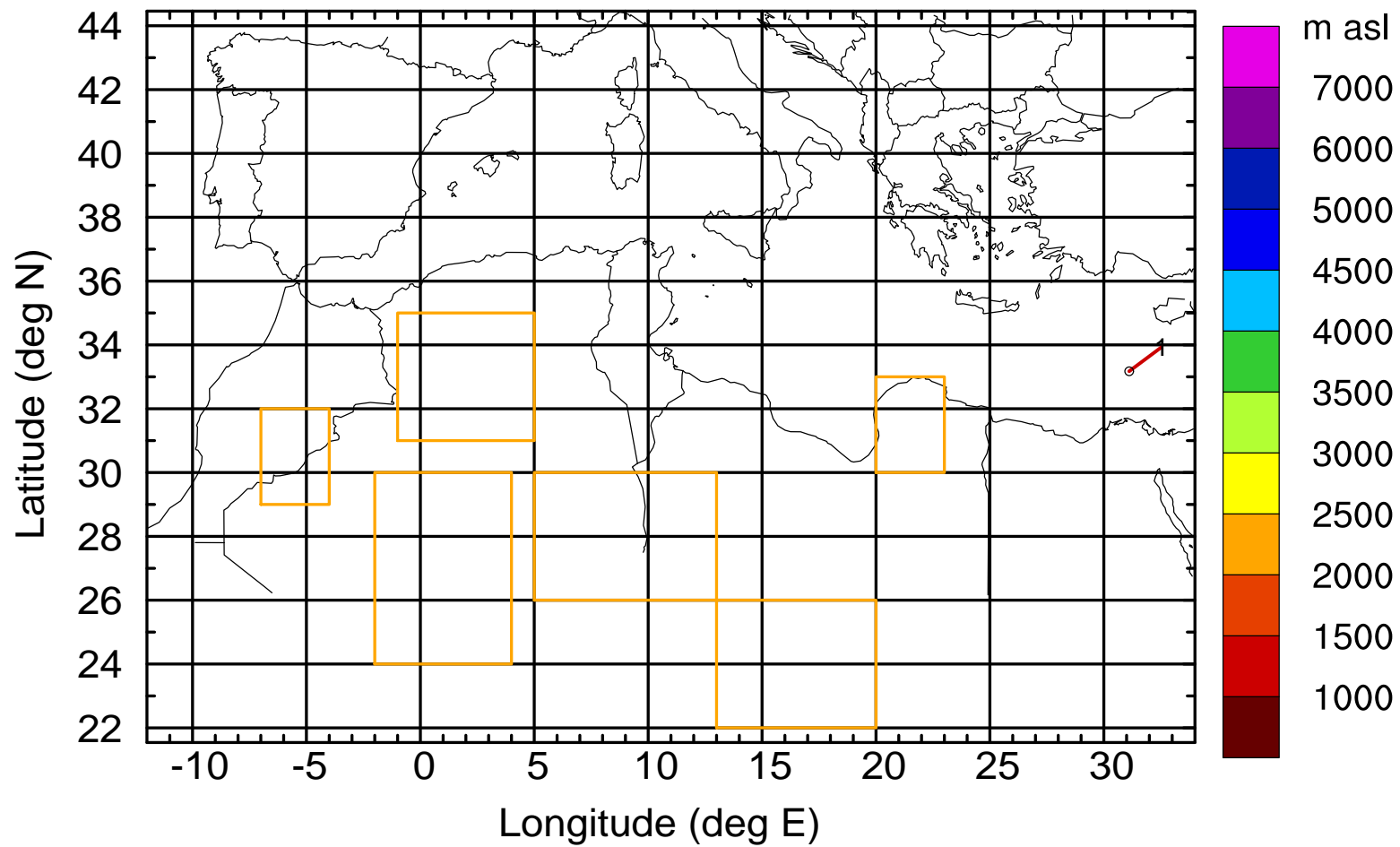
STS ground station 20170422

BWD 20170422/21 -08H = 22/13 UTC



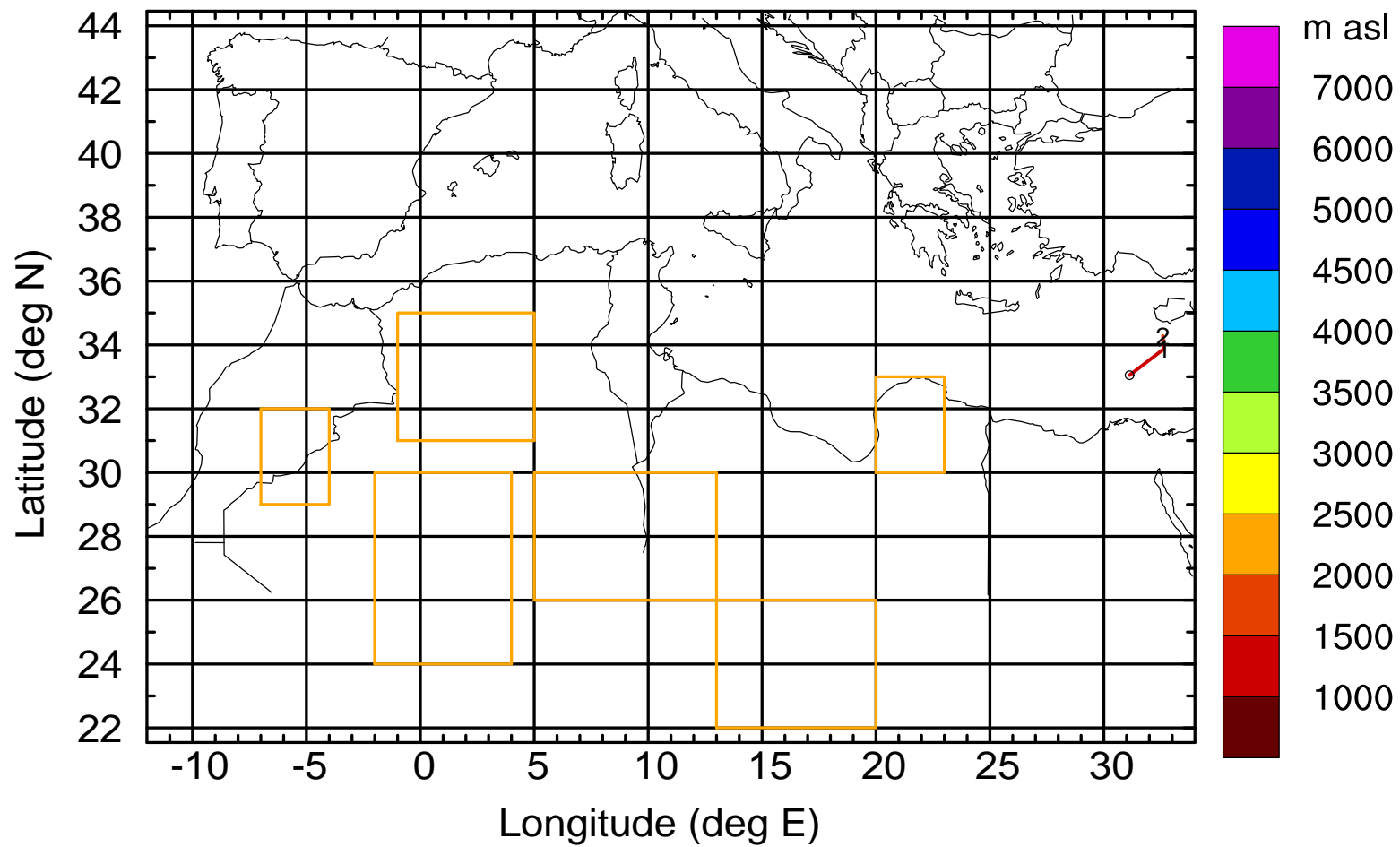
STS ground station 20170422

BWD 20170422/21 -09H = 22/12 UTC



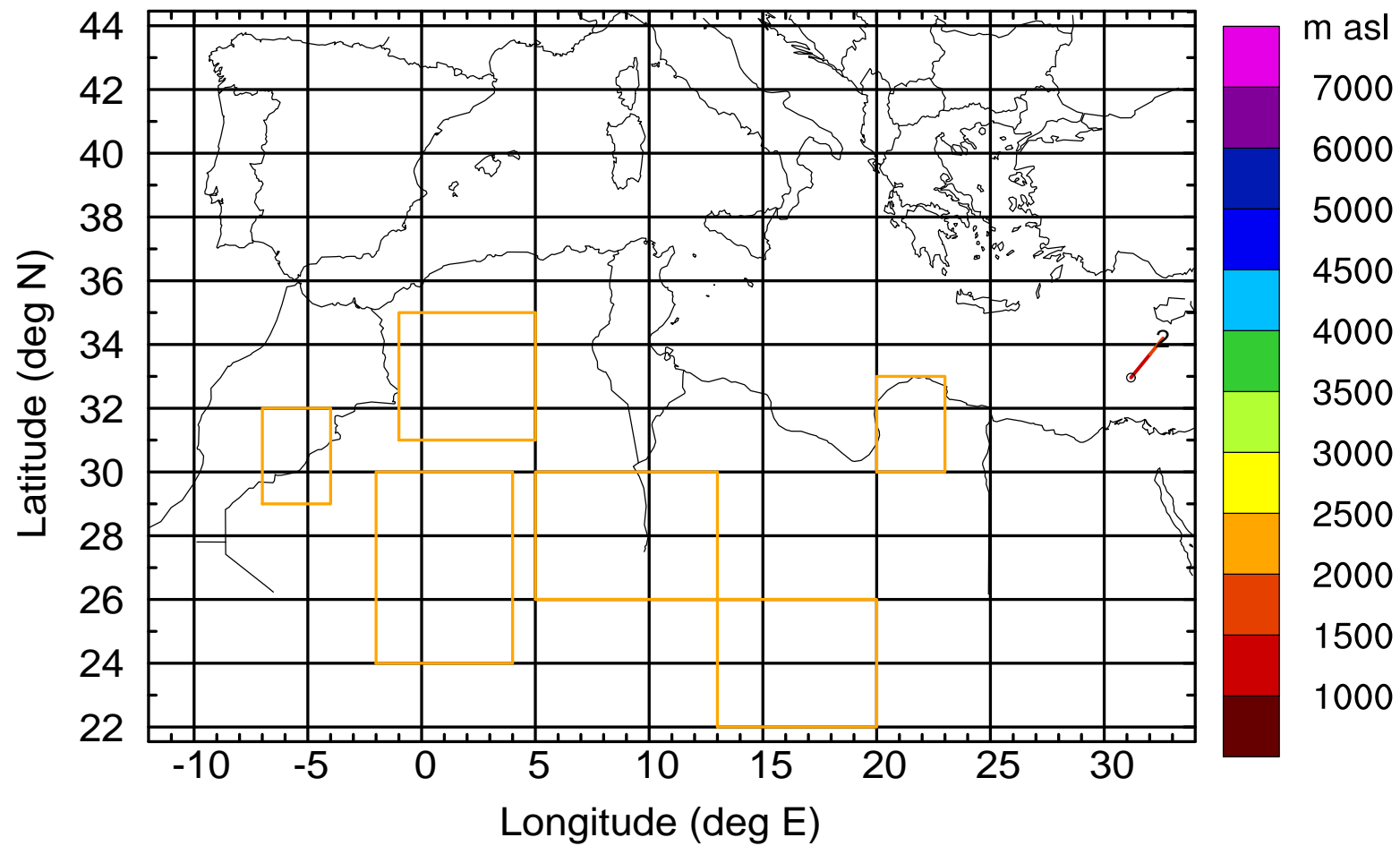
STS ground station 20170422

BWD 20170422/21 -10H = 22/11 UTC



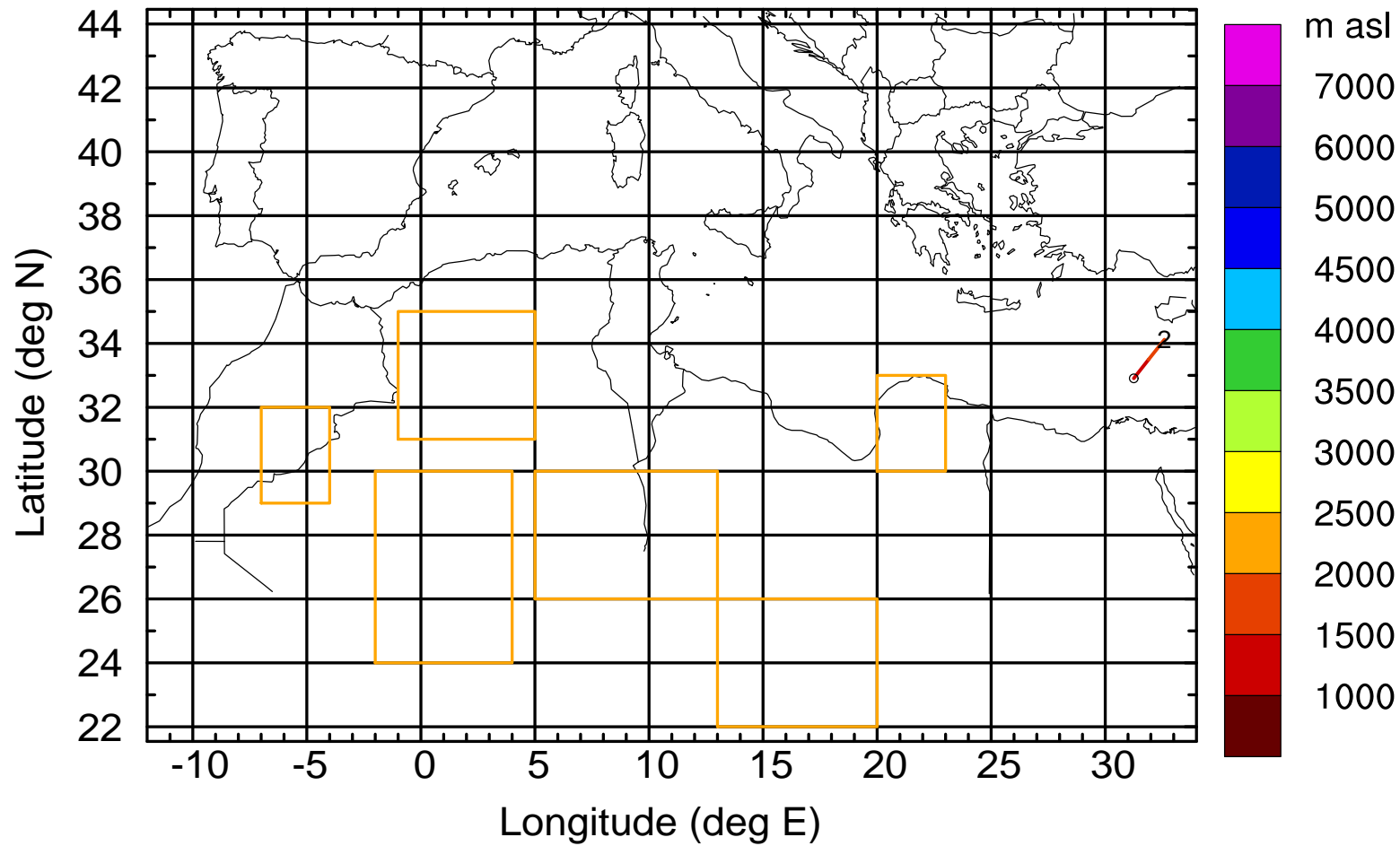
STS ground station 20170422

BWD 20170422/21 -11H = 22/10 UTC



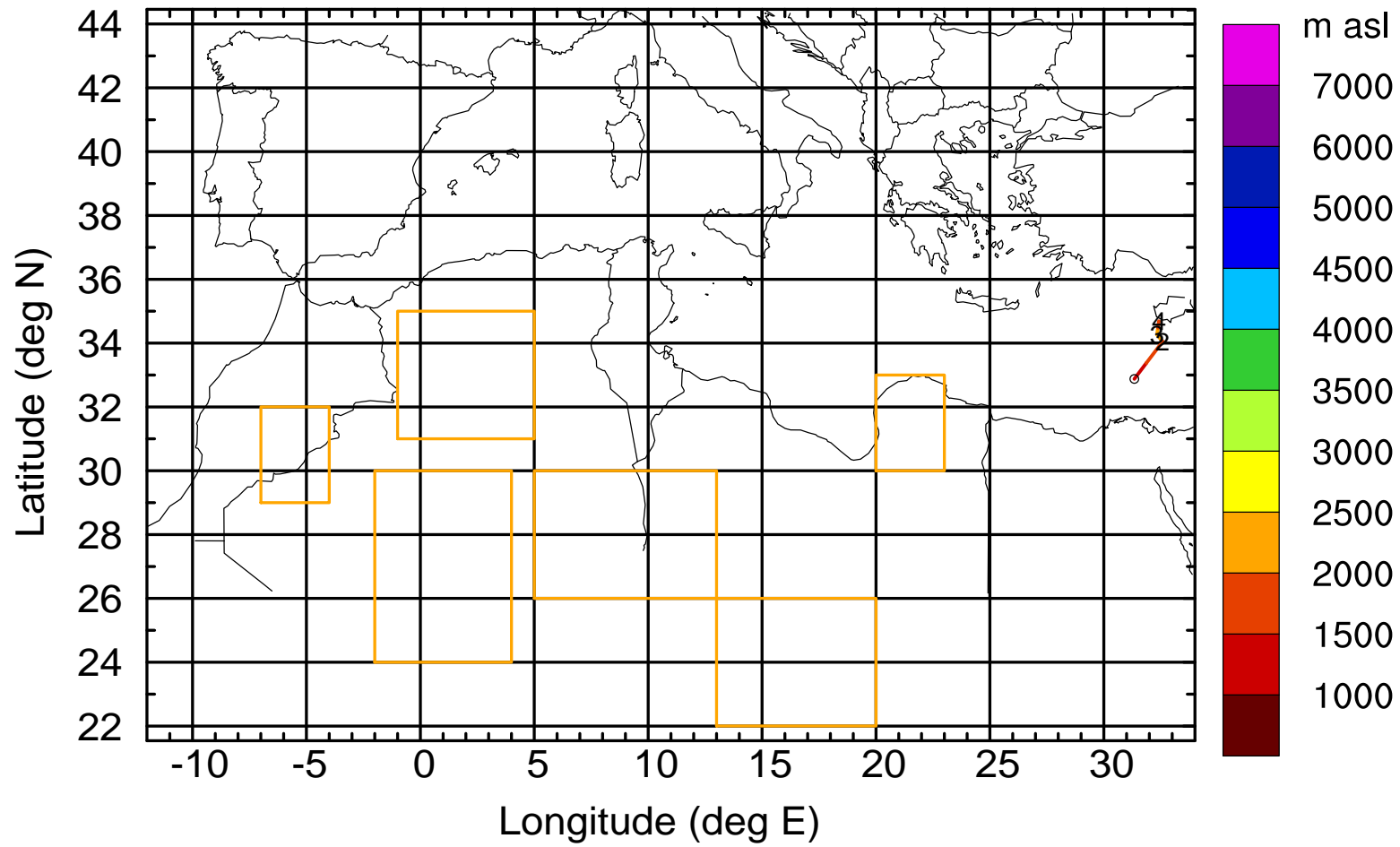
STS ground station 20170422

BWD 20170422/21 -12H = 22/09 UTC



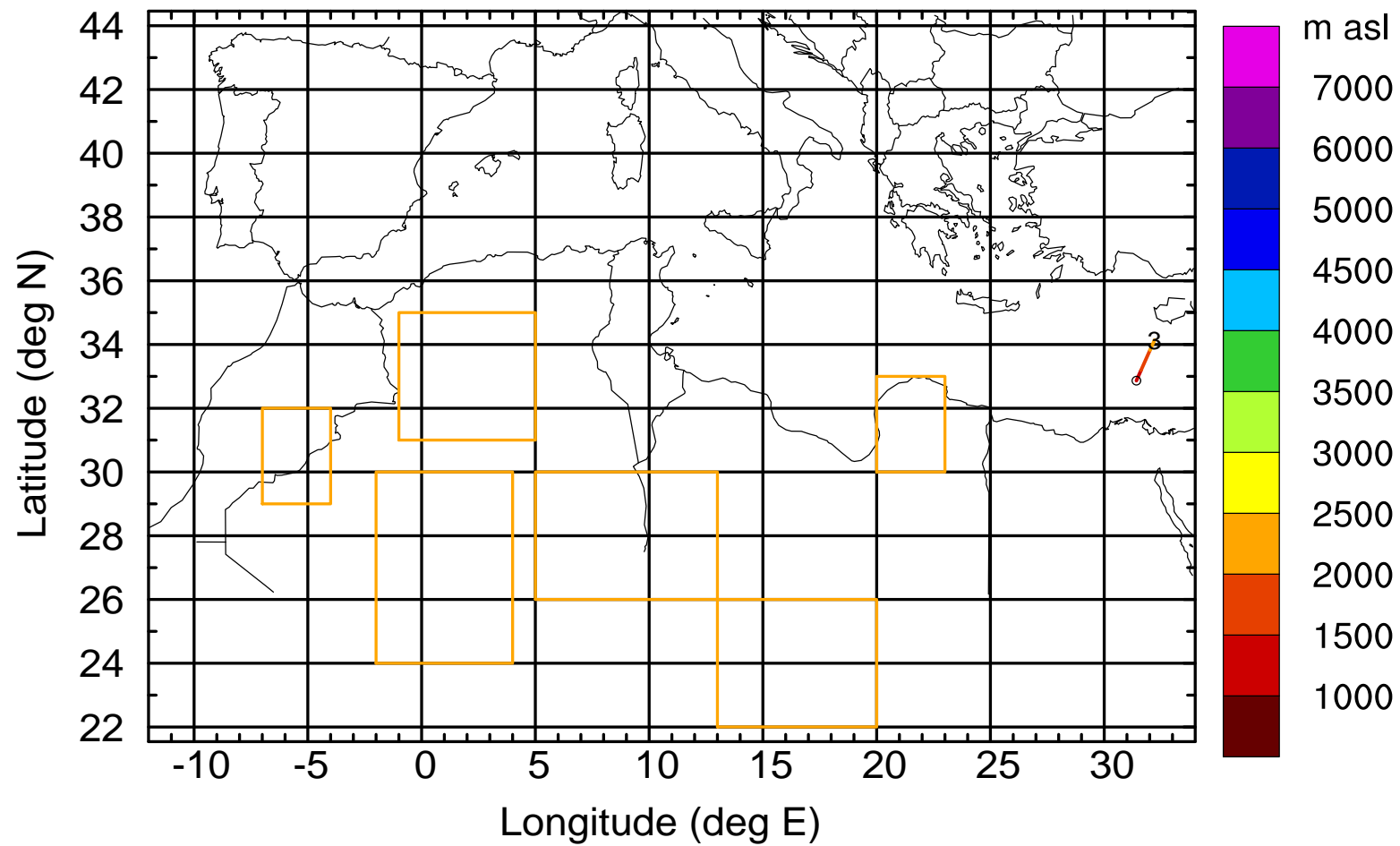
STS ground station 20170422

BWD 20170422/21 -13H = 22/08 UTC



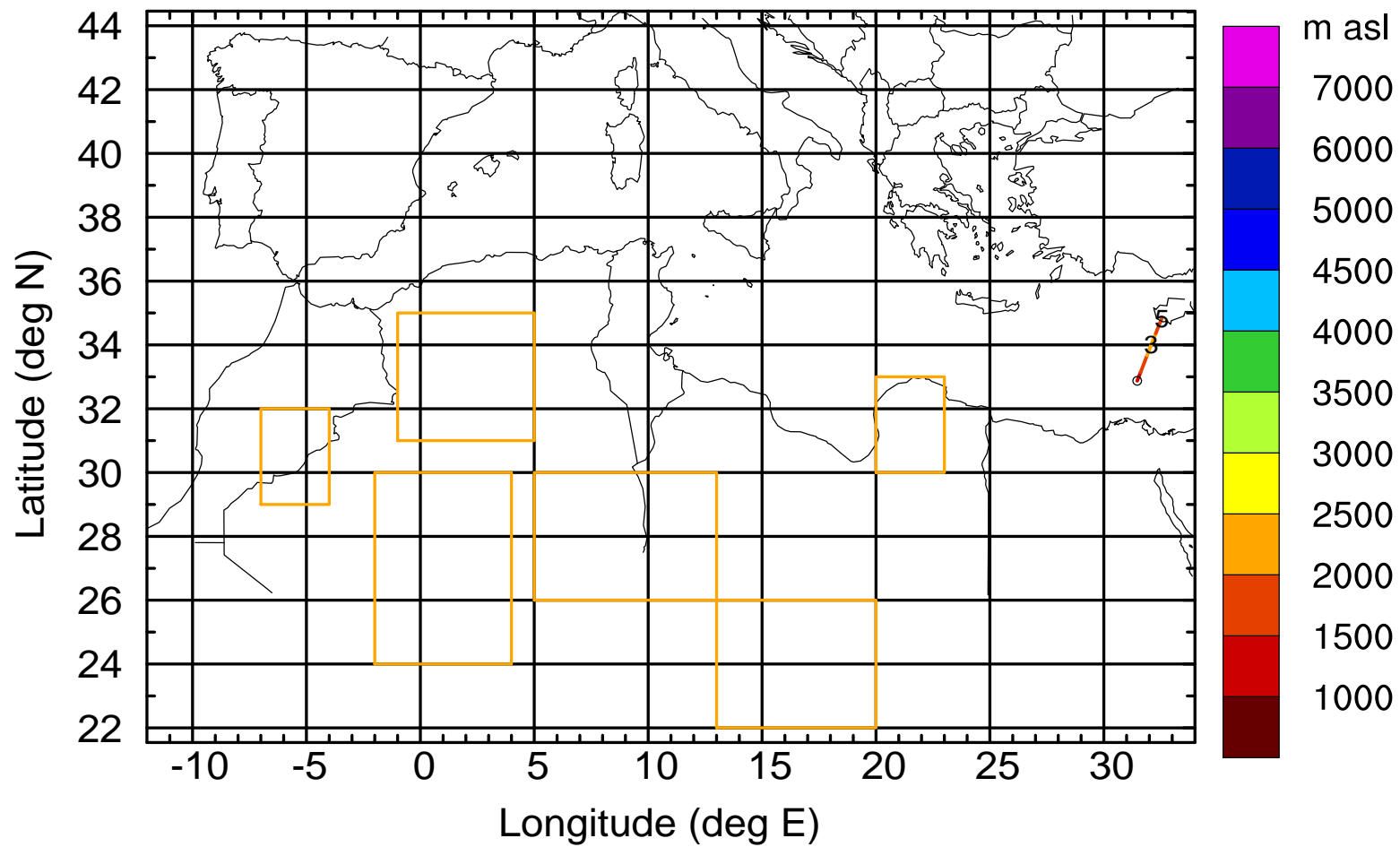
STS ground station 20170422

BWD 20170422/21 -14H = 22/07 UTC



STS ground station 20170422

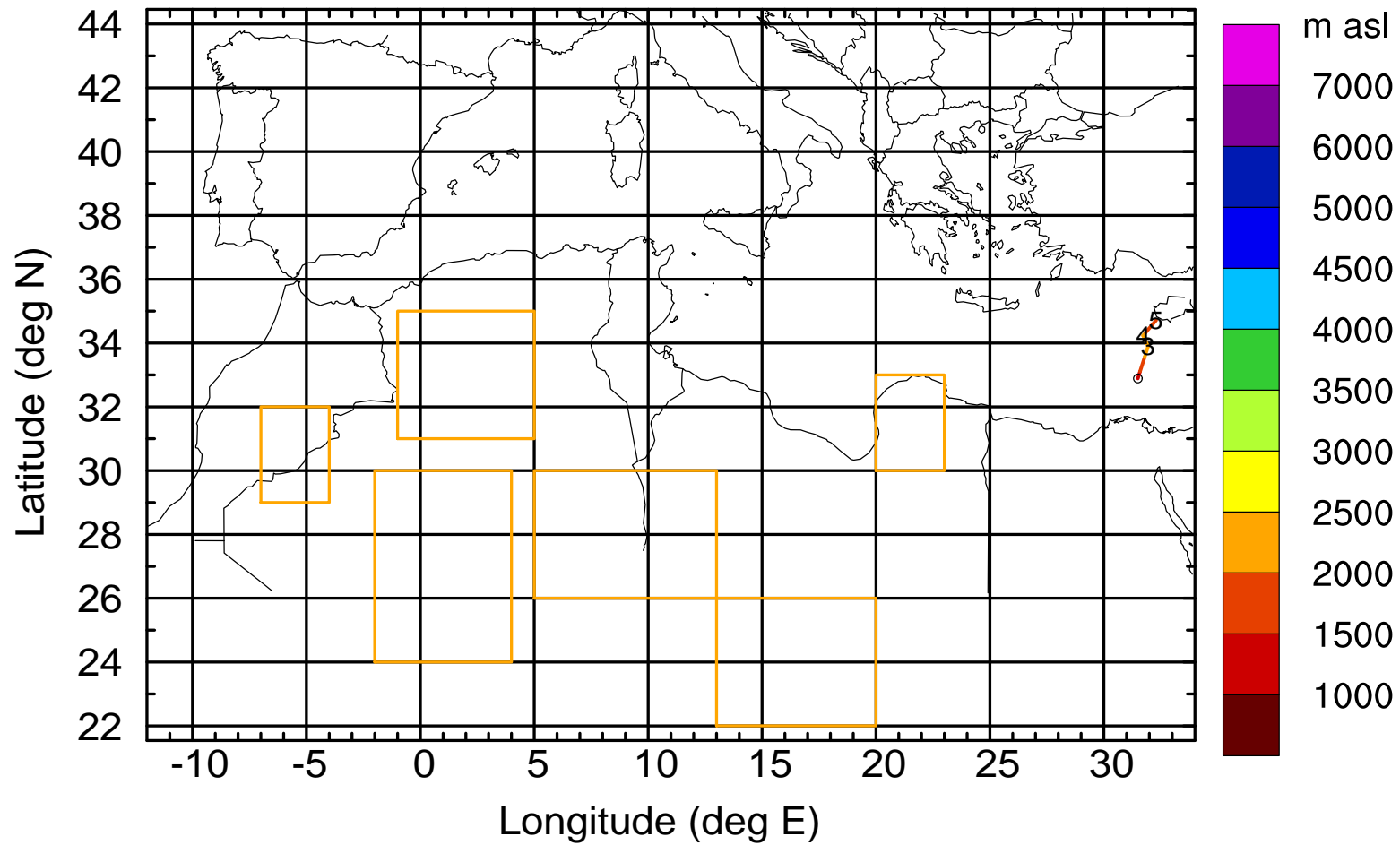
BWD 20170422/21 -15H = 22/06 UTC





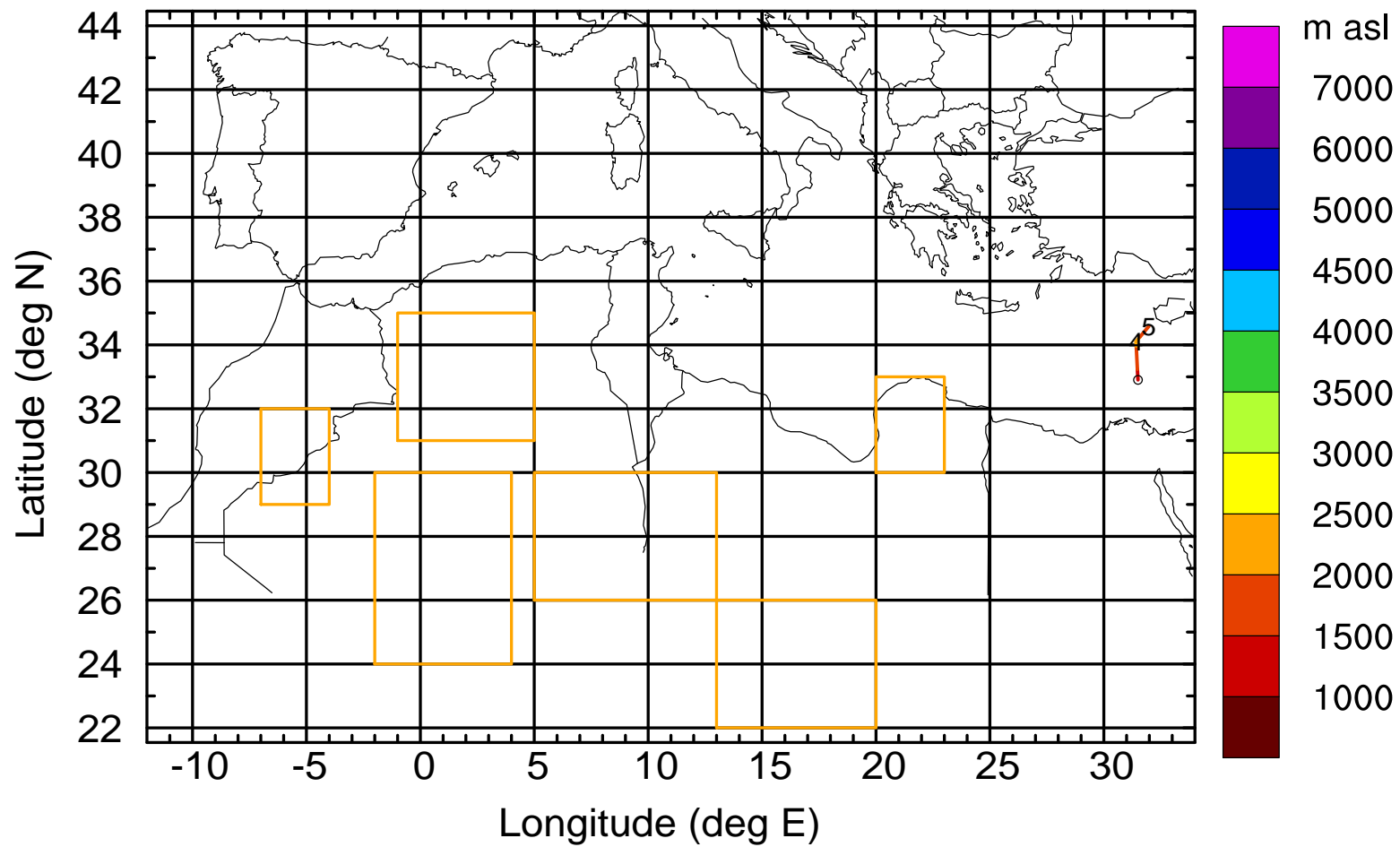
STS ground station 20170422

BWD 20170422/21 -16H = 22/05 UTC



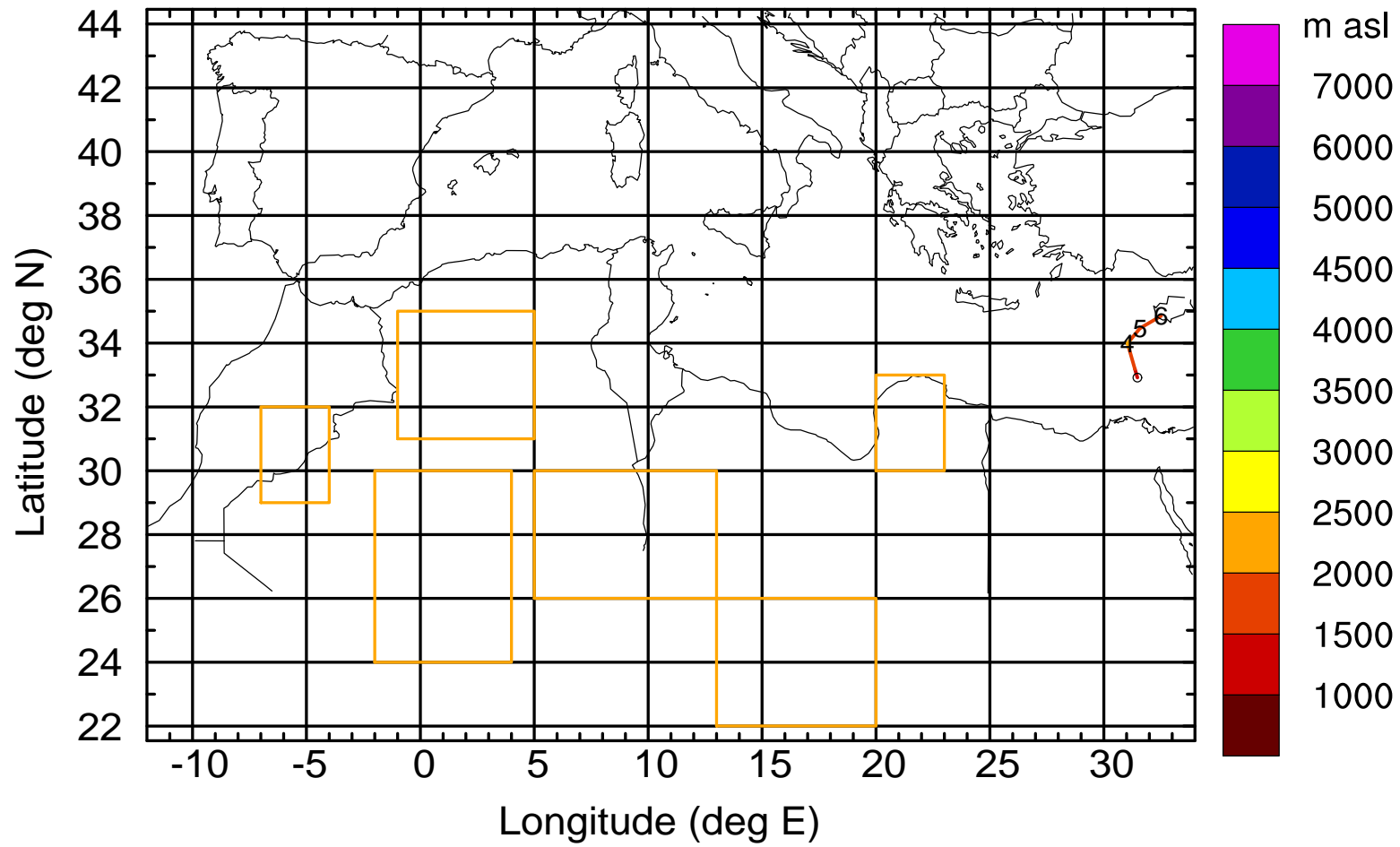
STS ground station 20170422

BWD 20170422/21 -17H = 22/04 UTC



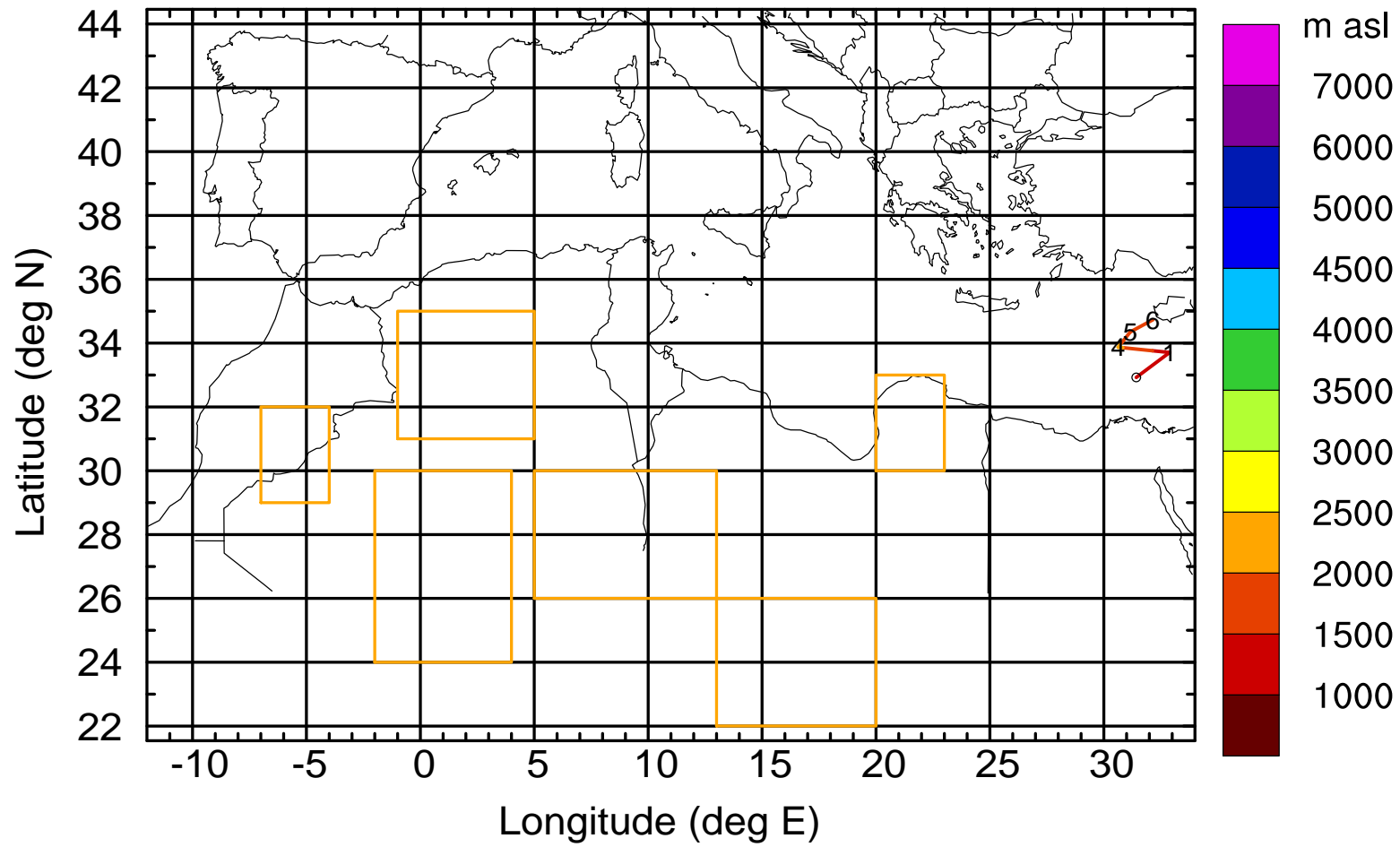
STS ground station 20170422

BWD 20170422/21 -18H = 22/03 UTC



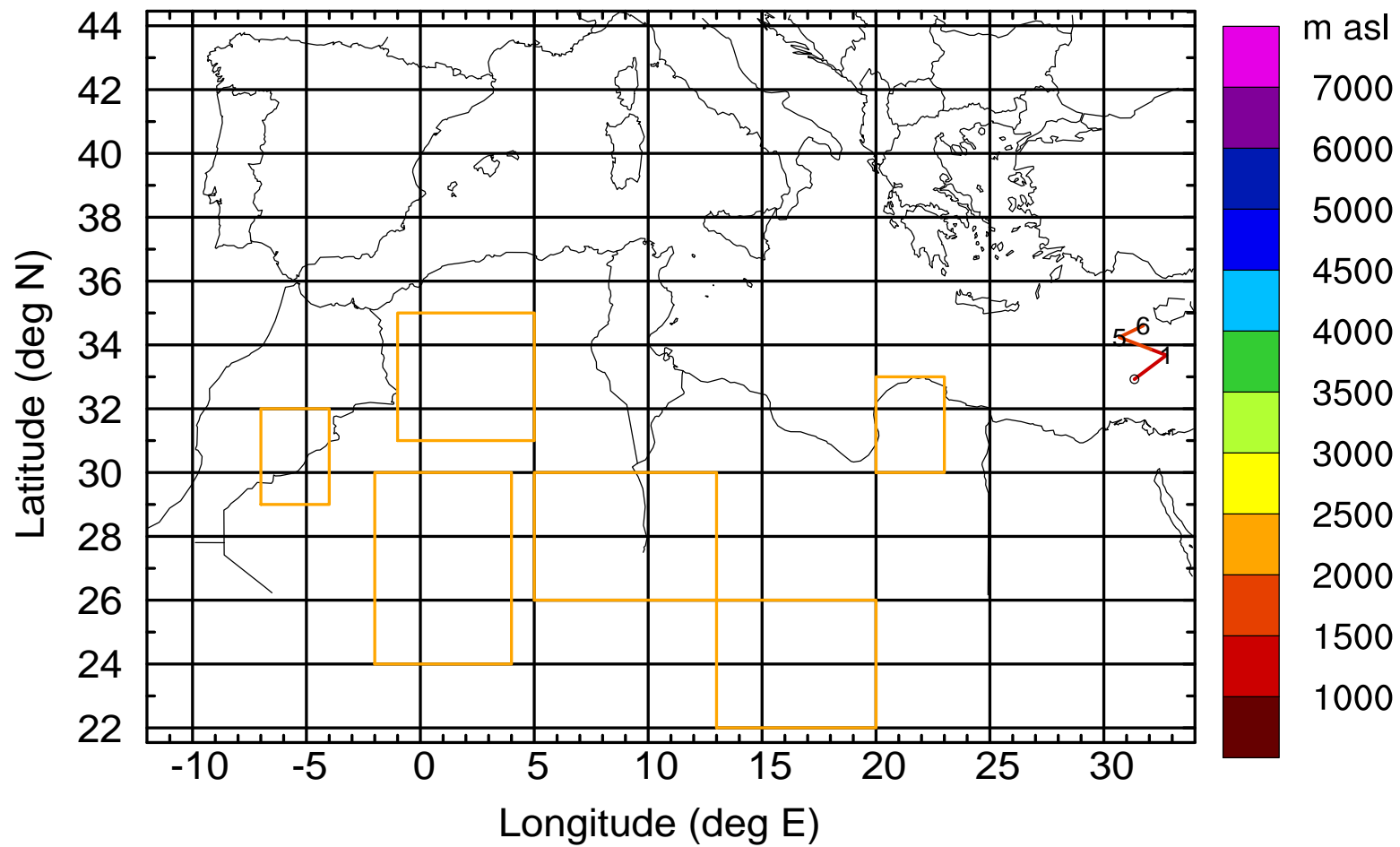
STS ground station 20170422

BWD 20170422/21 -19H = 22/02 UTC



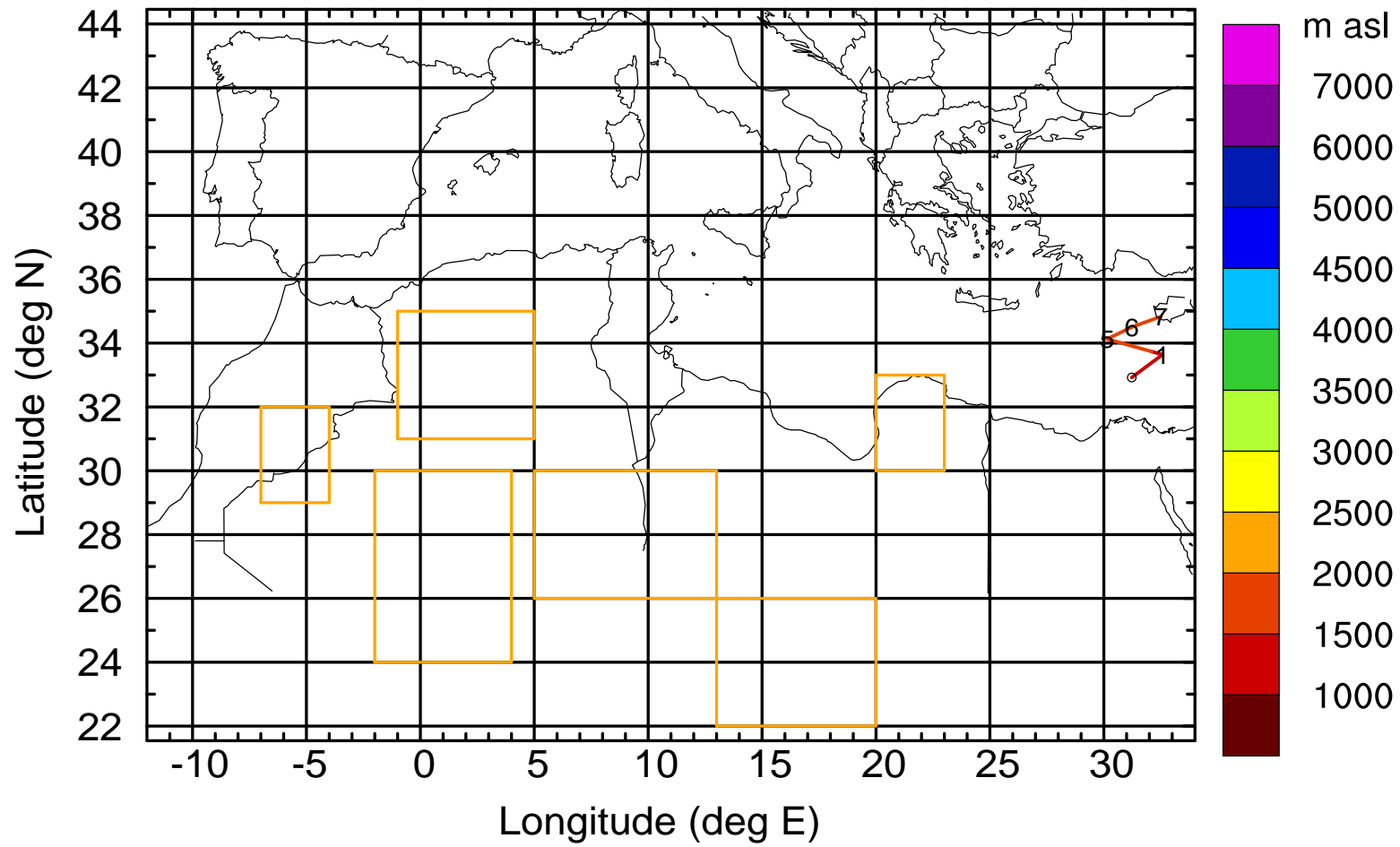
STS ground station 20170422

BWD 20170422/21 -20H = 22/01 UTC



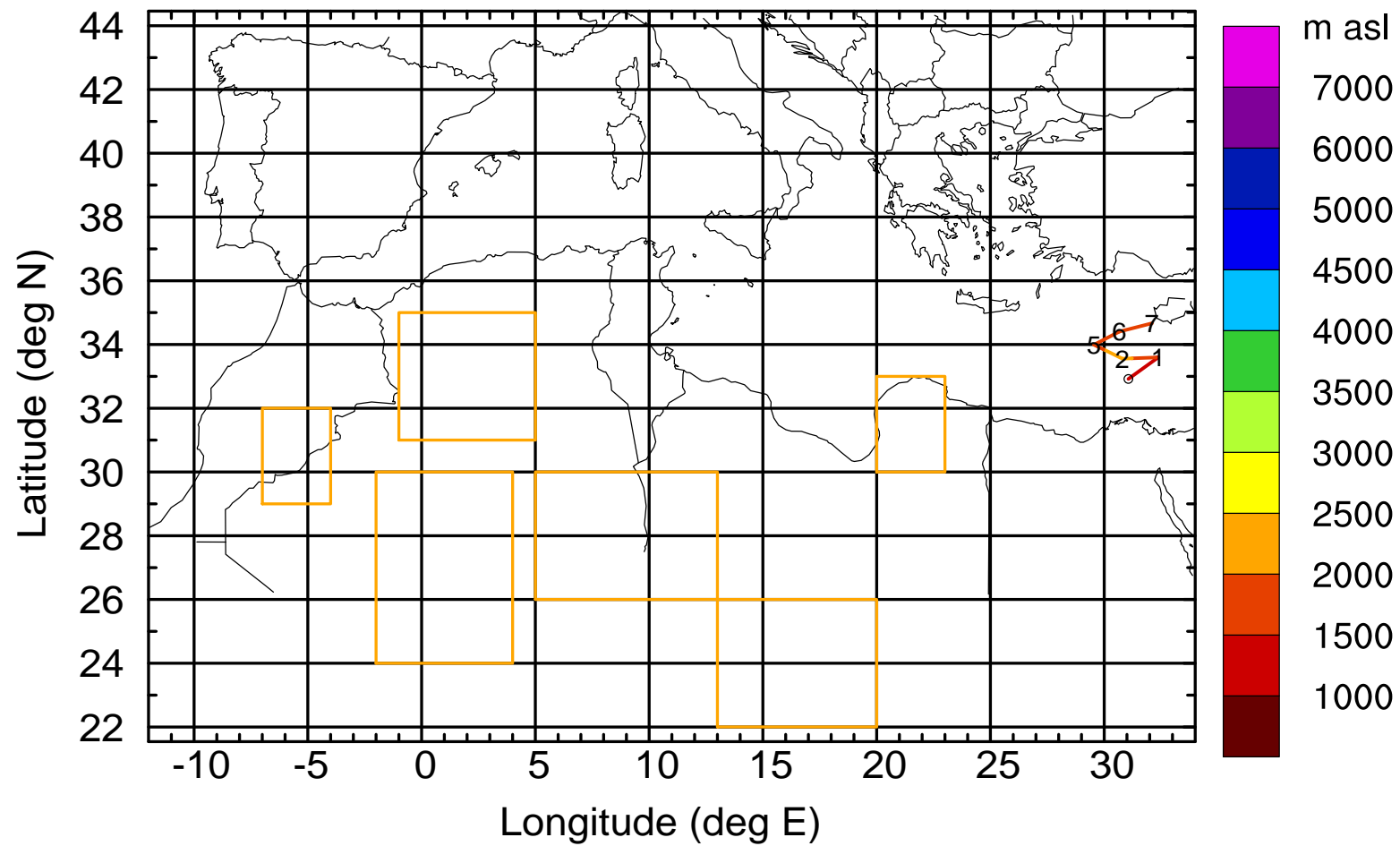
STS ground station 20170422

BWD 20170422/21 -21H = 22/00 UTC



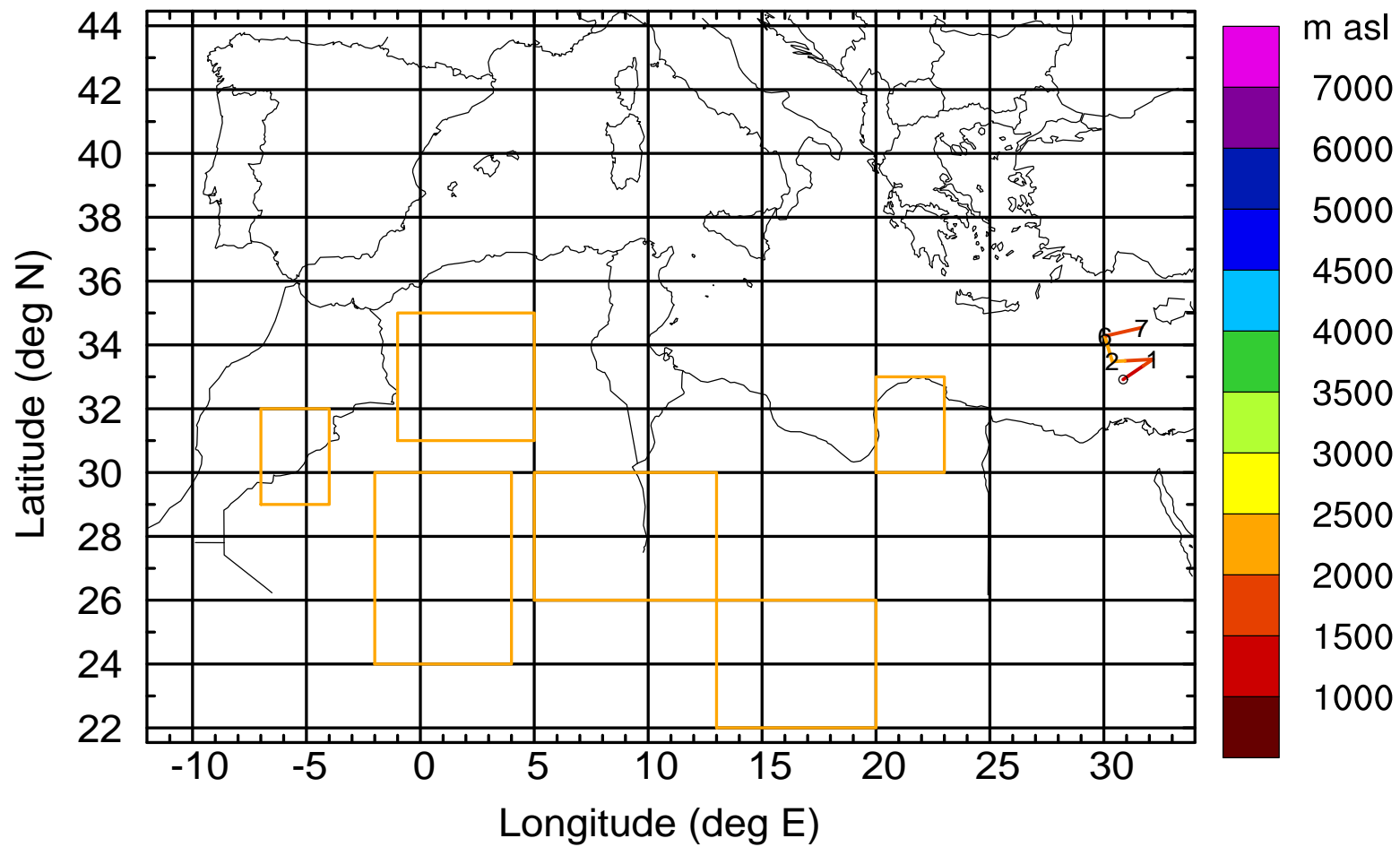
STS ground station 20170422

BWD 20170422/21 -22H = 21/23 UTC



STS ground station 20170422

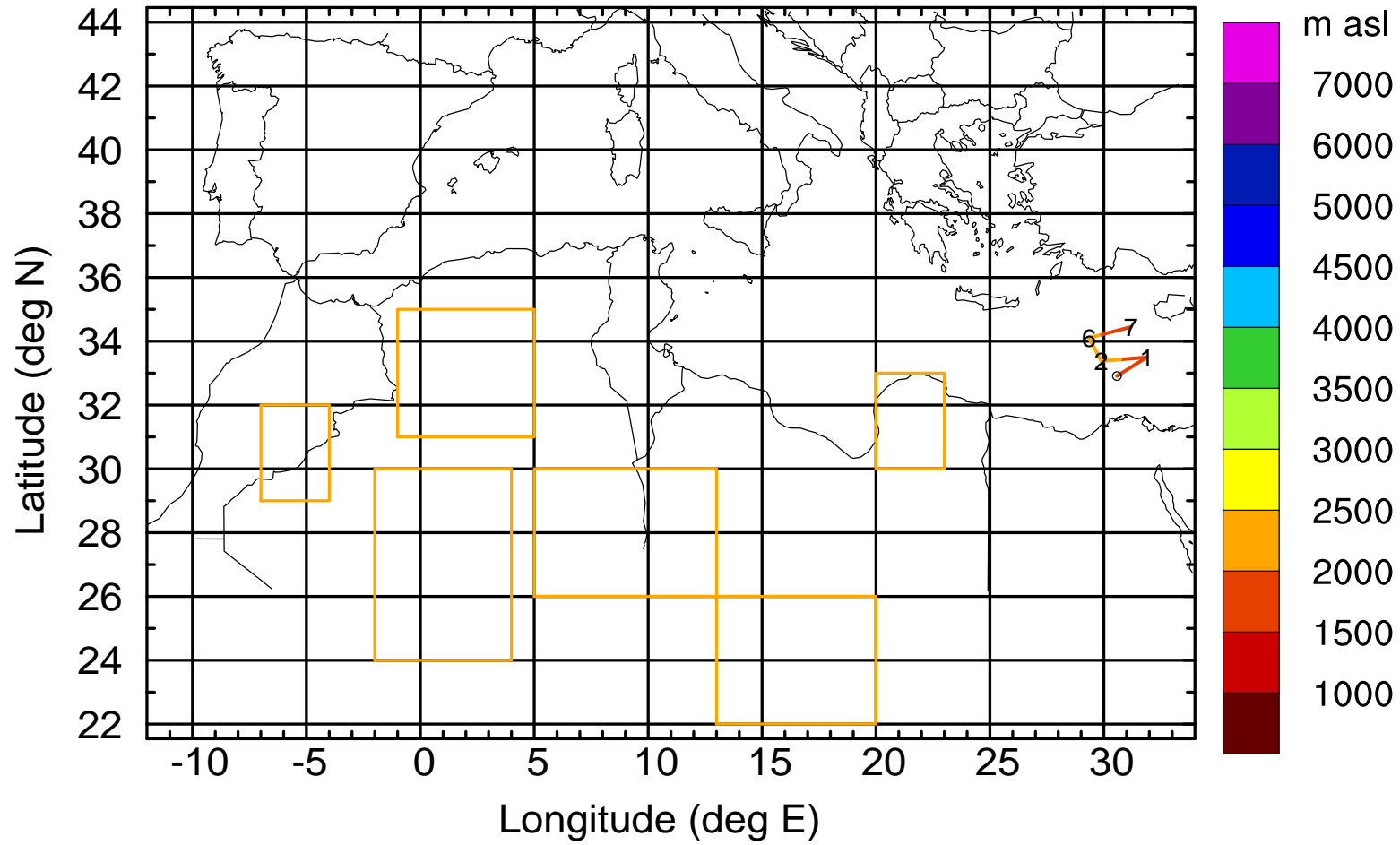
BWD 20170422/21 -23H = 21/22 UTC





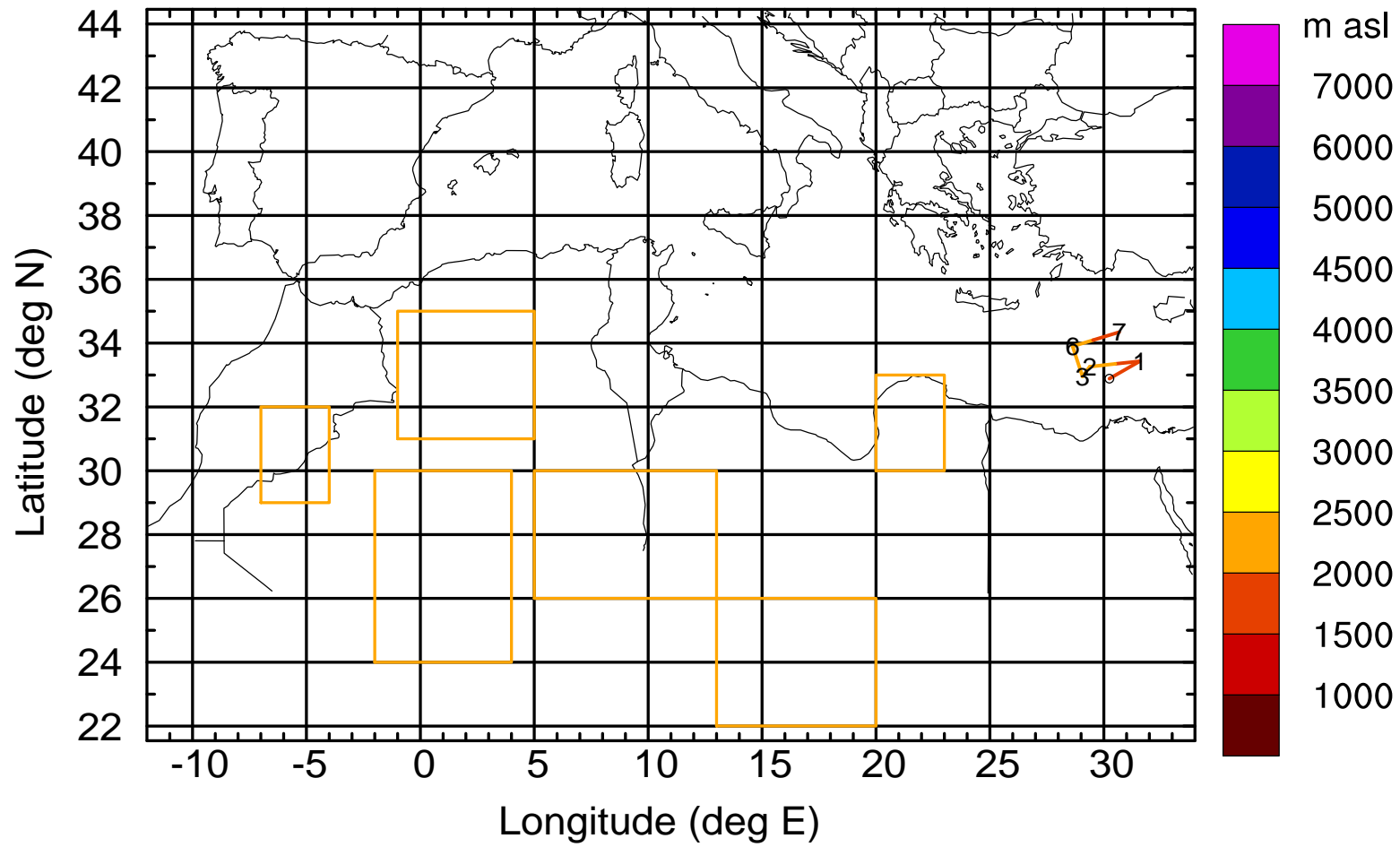
STS ground station 20170422

BWD 20170422/21 -24H = 21/21 UTC



STS ground station 20170422

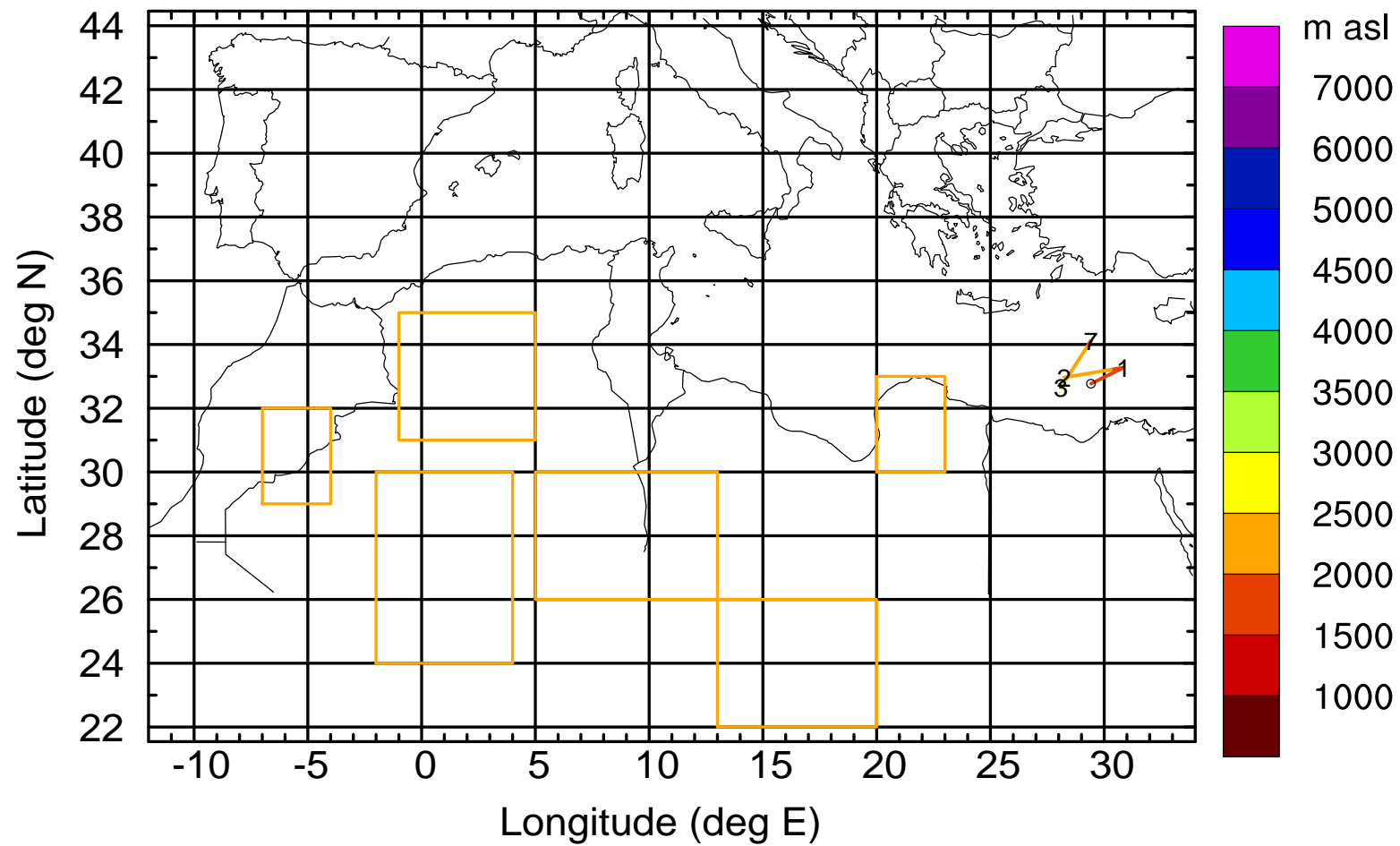
BWD 20170422/21 -25H = 21/20 UTC





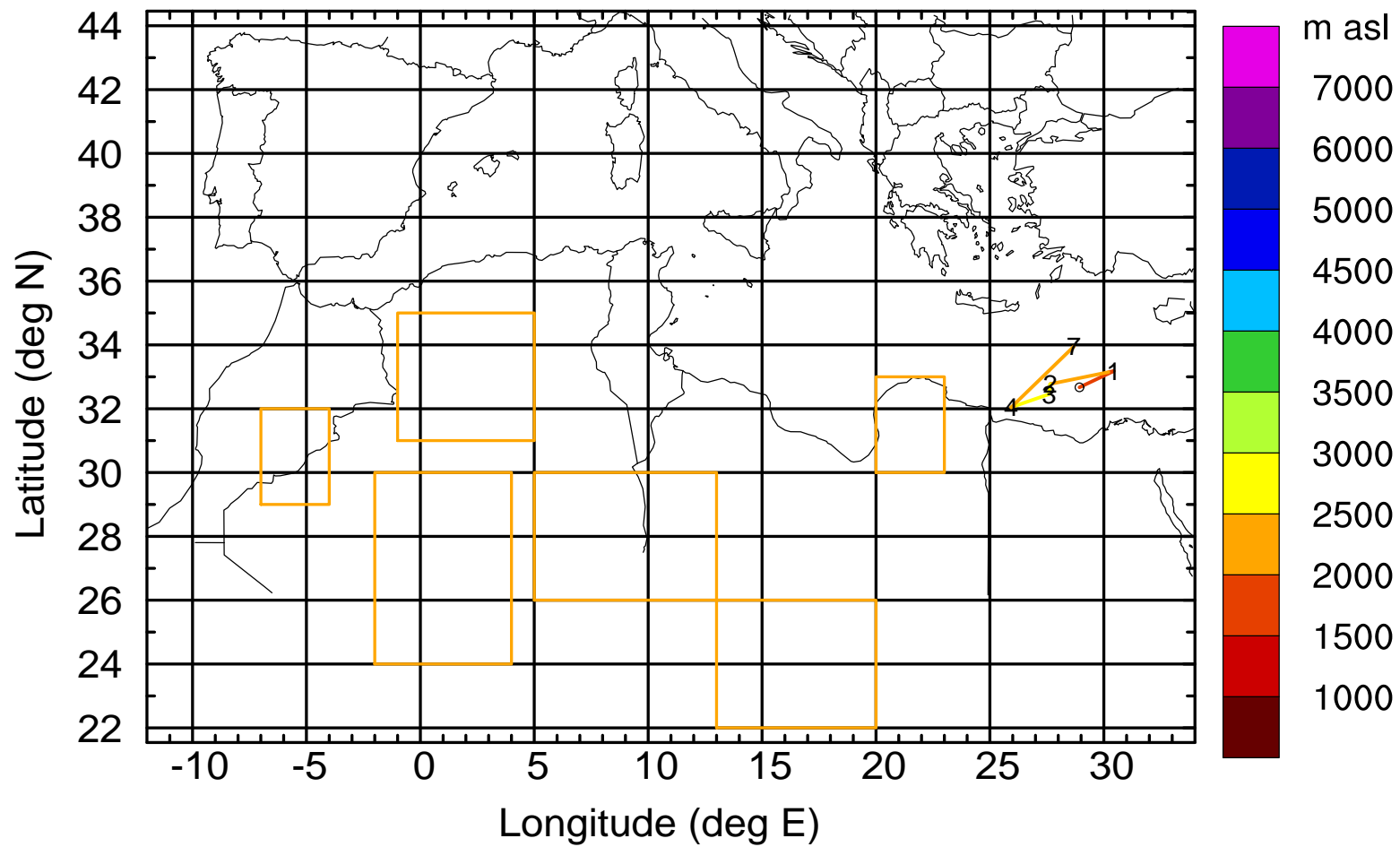
STS ground station 20170422

BWD 20170422/21 -27H = 21/18 UTC



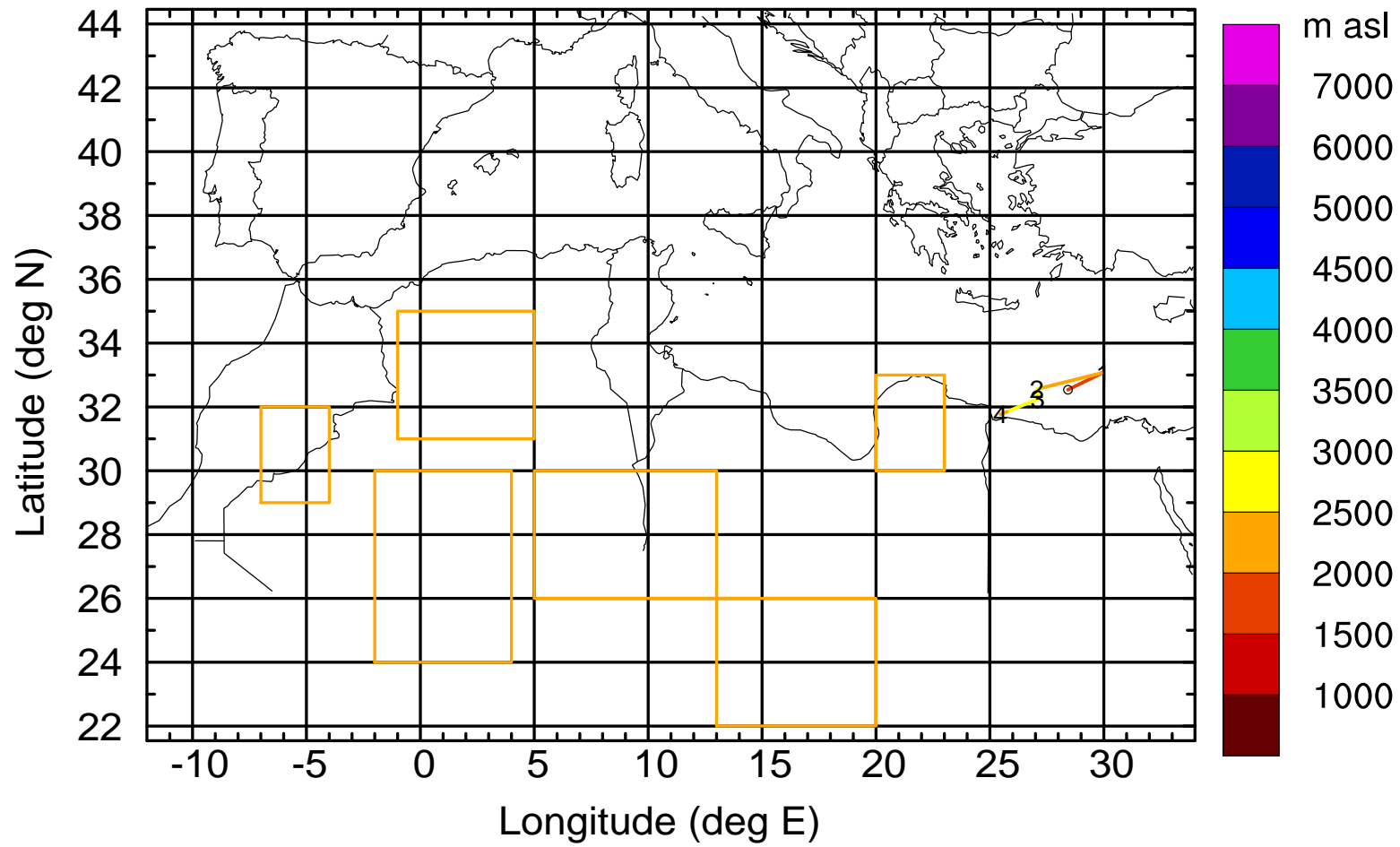
STS ground station 20170422

BWD 20170422/21 -28H = 21/17 UTC



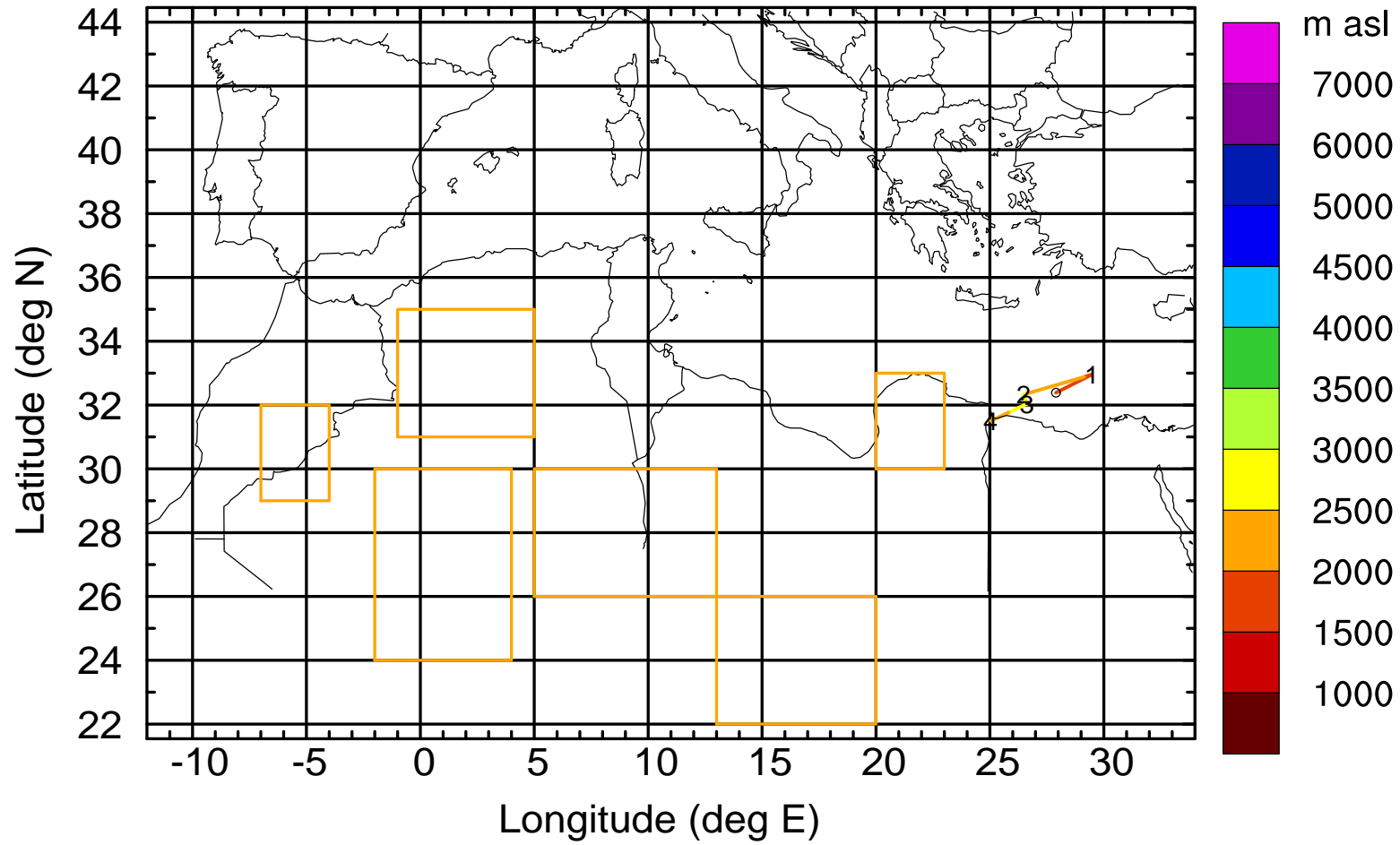
STS ground station 20170422

BWD 20170422/21 -29H = 21/16 UTC



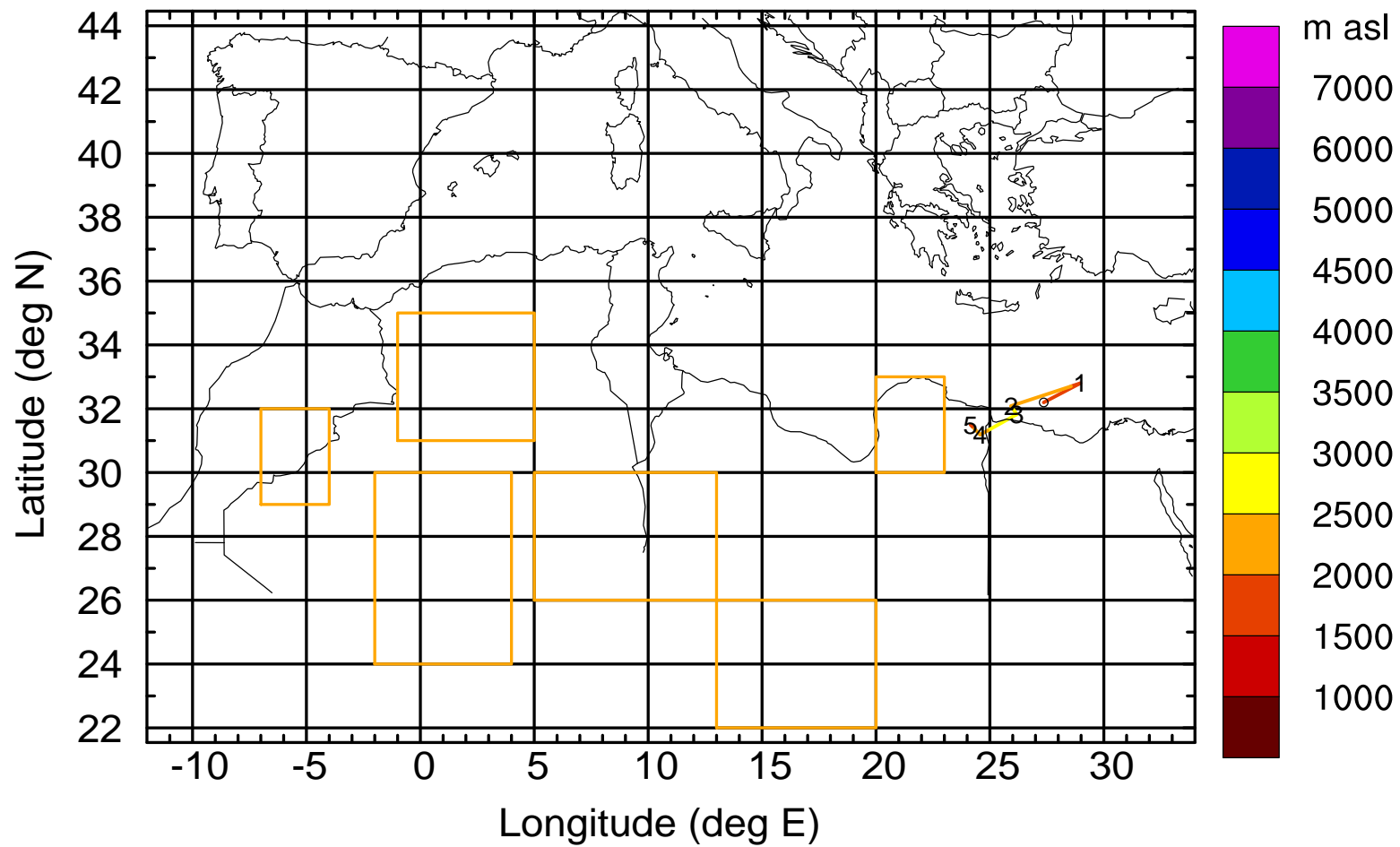
STS ground station 20170422

BWD 20170422/21 -30H = 21/15 UTC



STS ground station 20170422

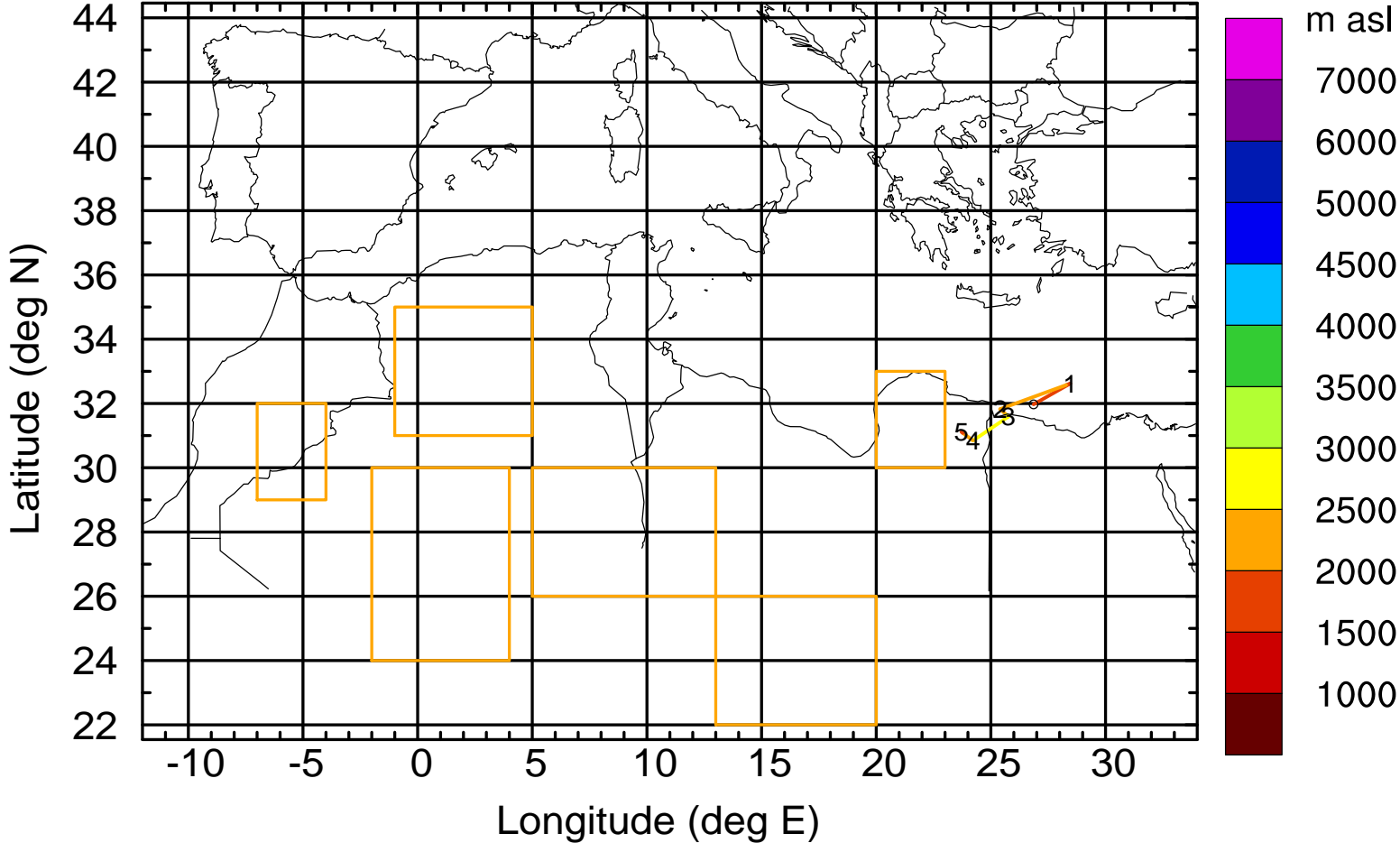
BWD 20170422/21 -31H = 21/14 UTC





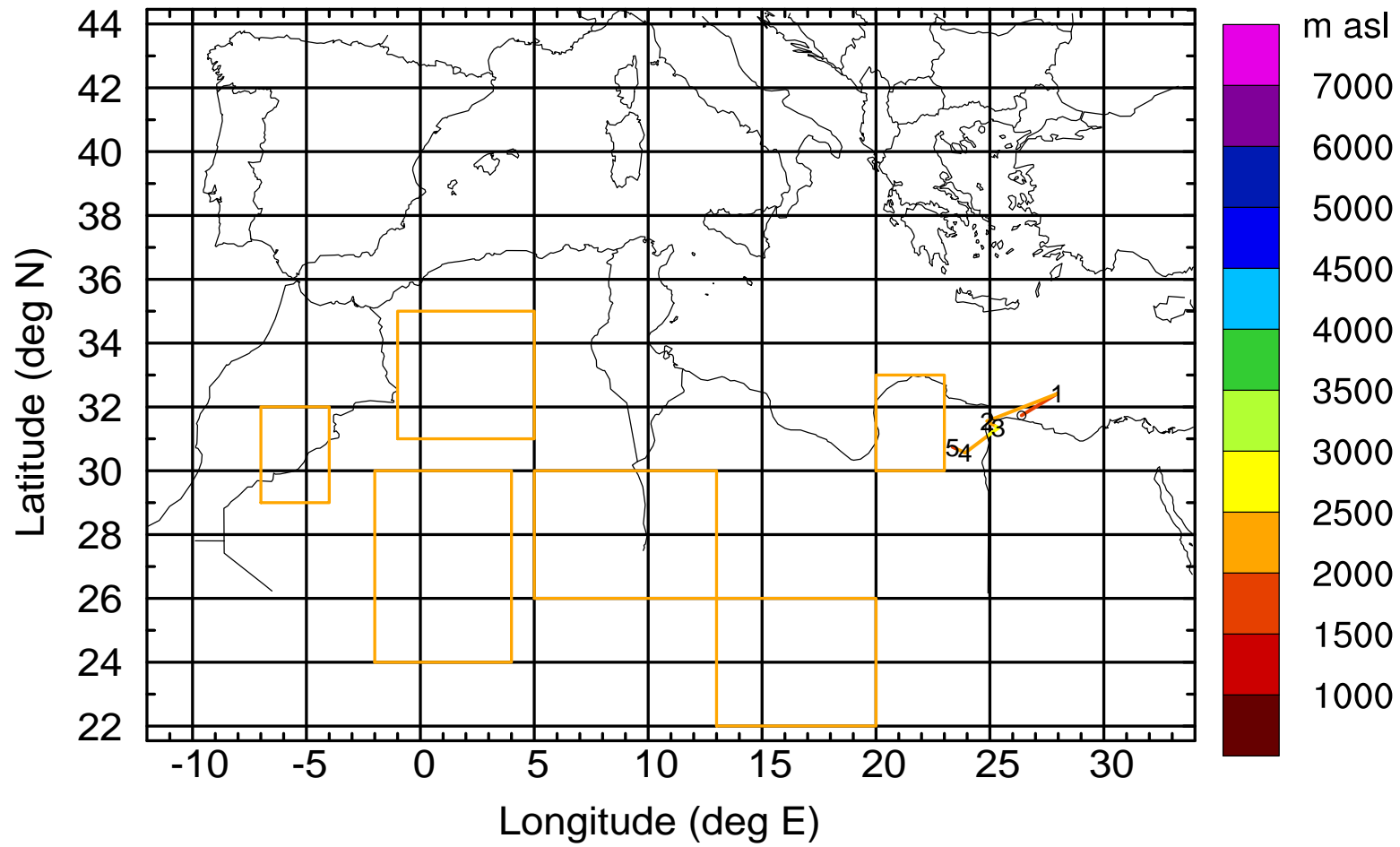
STS ground station 20170422

BWD 20170422/21 -32H = 21/13 UTC



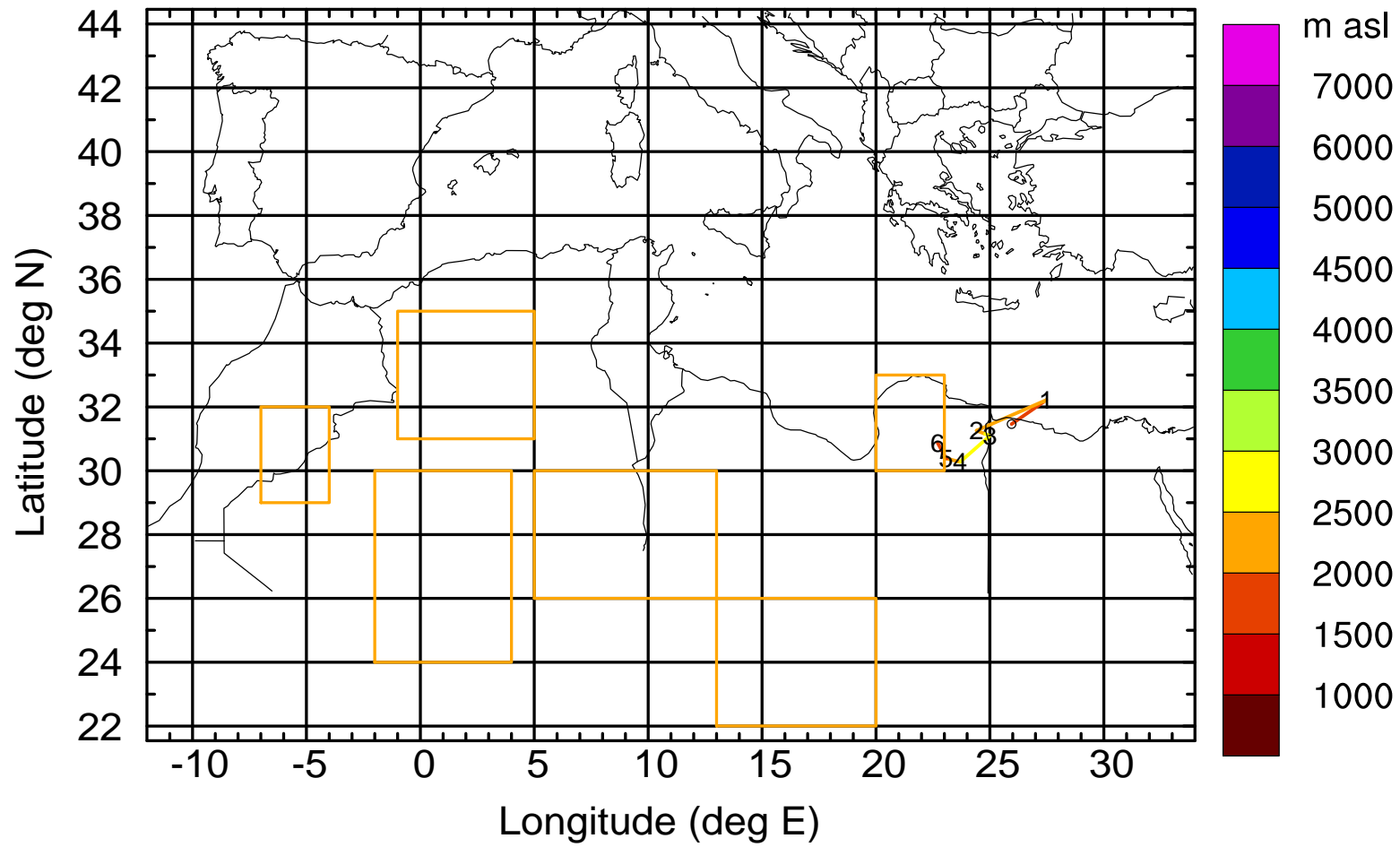
STS ground station 20170422

BWD 20170422/21 -33H = 21/12 UTC



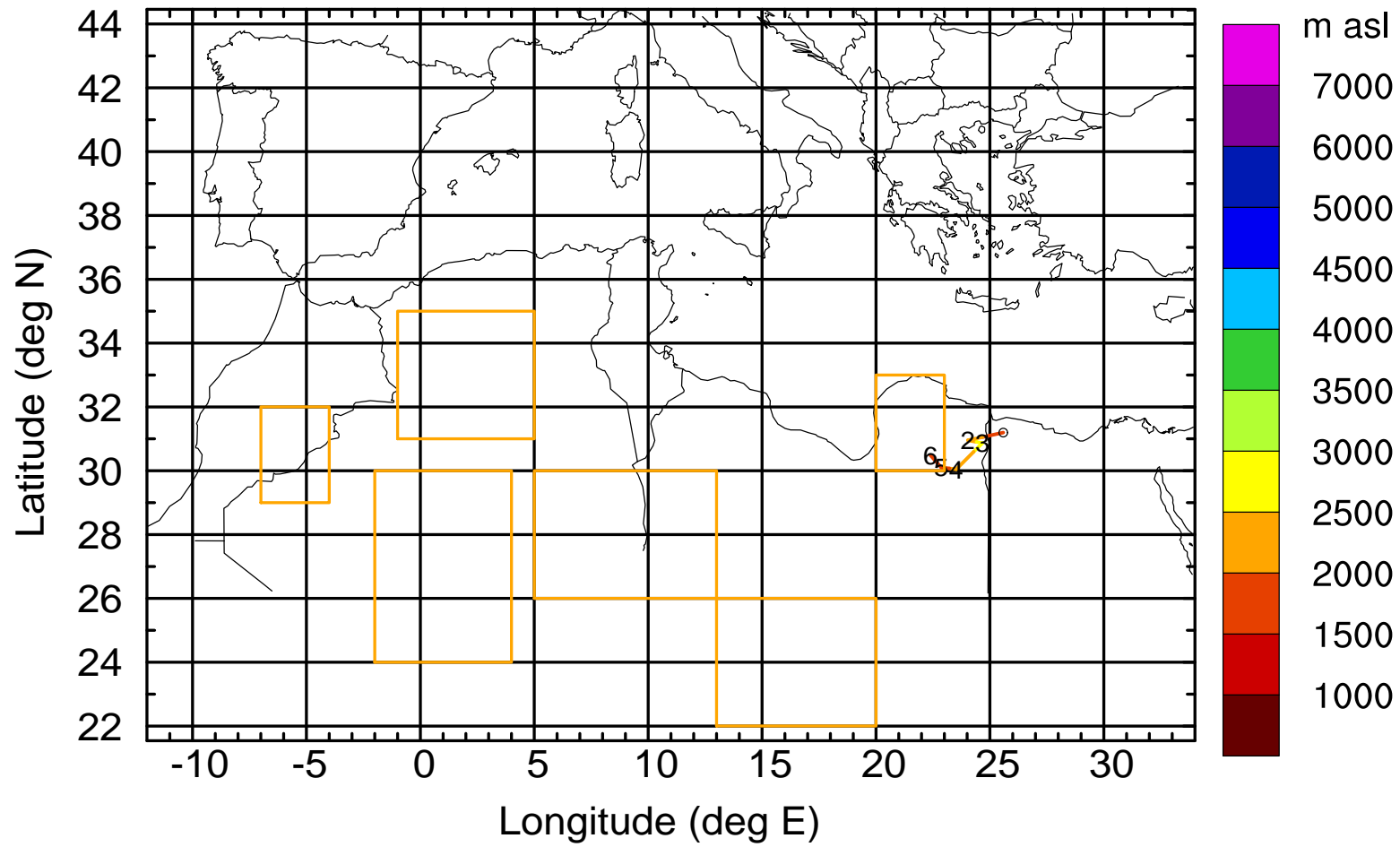
STS ground station 20170422

BWD 20170422/21 -34H = 21/11 UTC



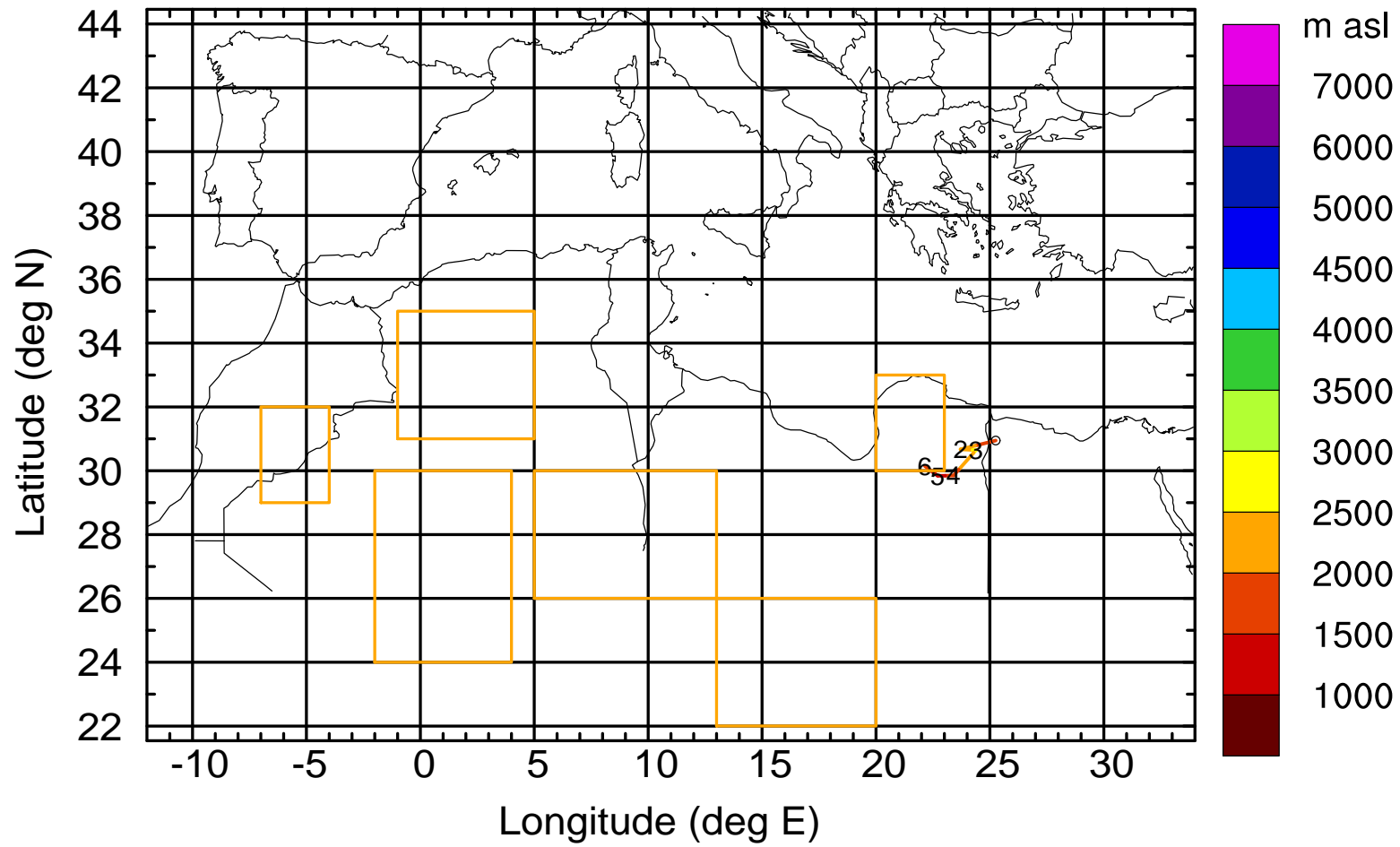
STS ground station 20170422

BWD 20170422/21 -35H = 21/10 UTC



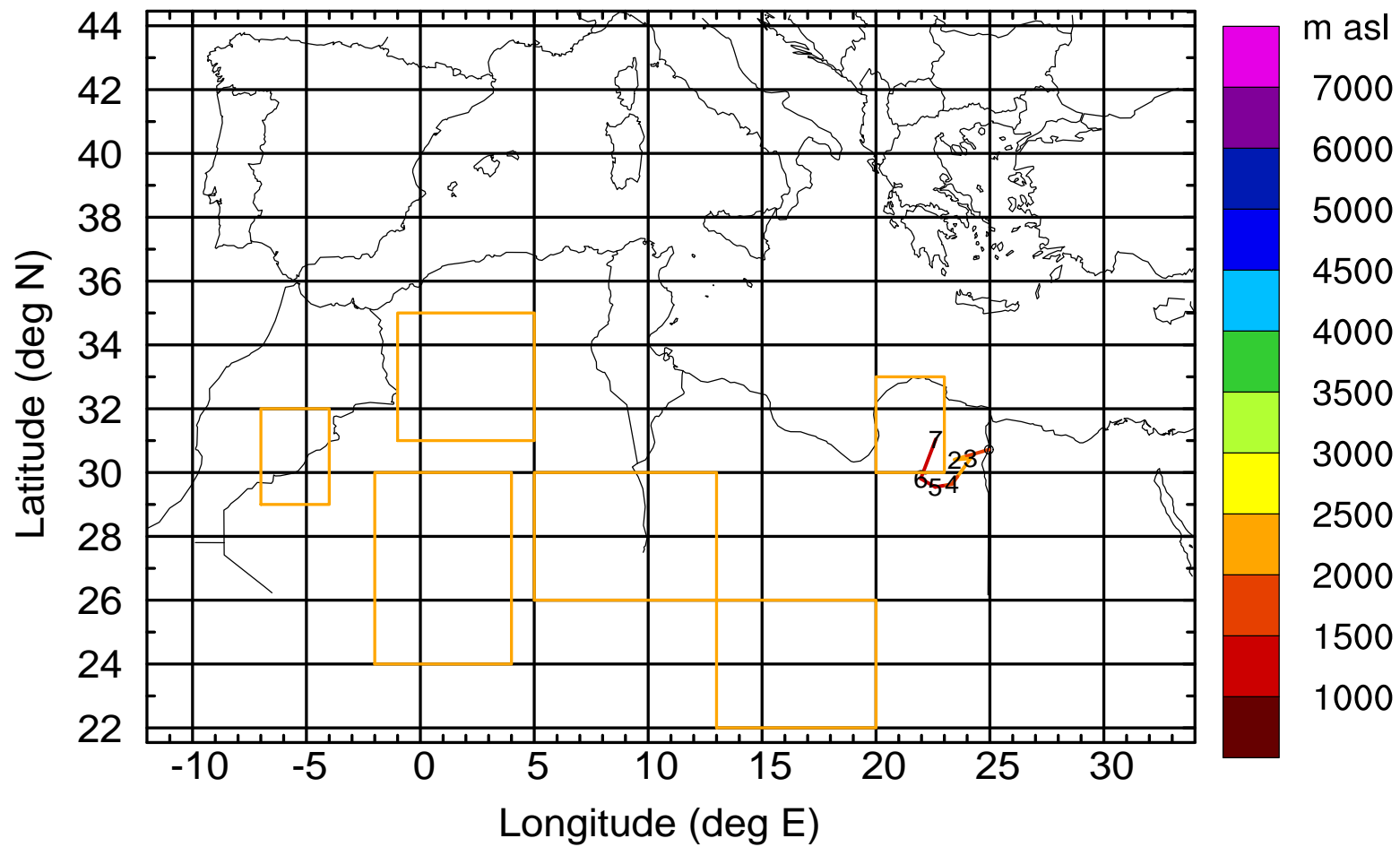
STS ground station 20170422

BWD 20170422/21 -36H = 21/09 UTC



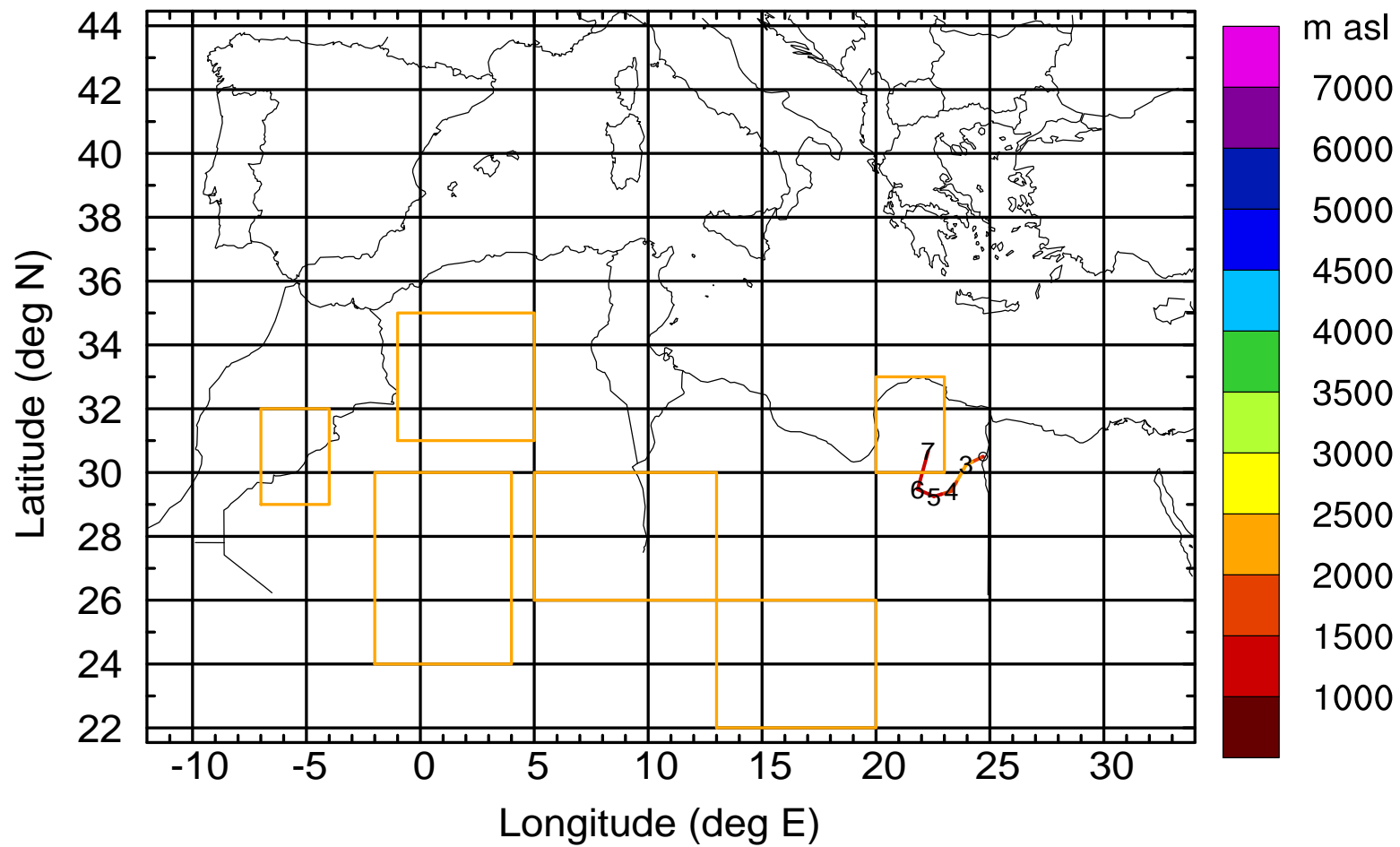
STS ground station 20170422

BWD 20170422/21 -37H = 21/08 UTC



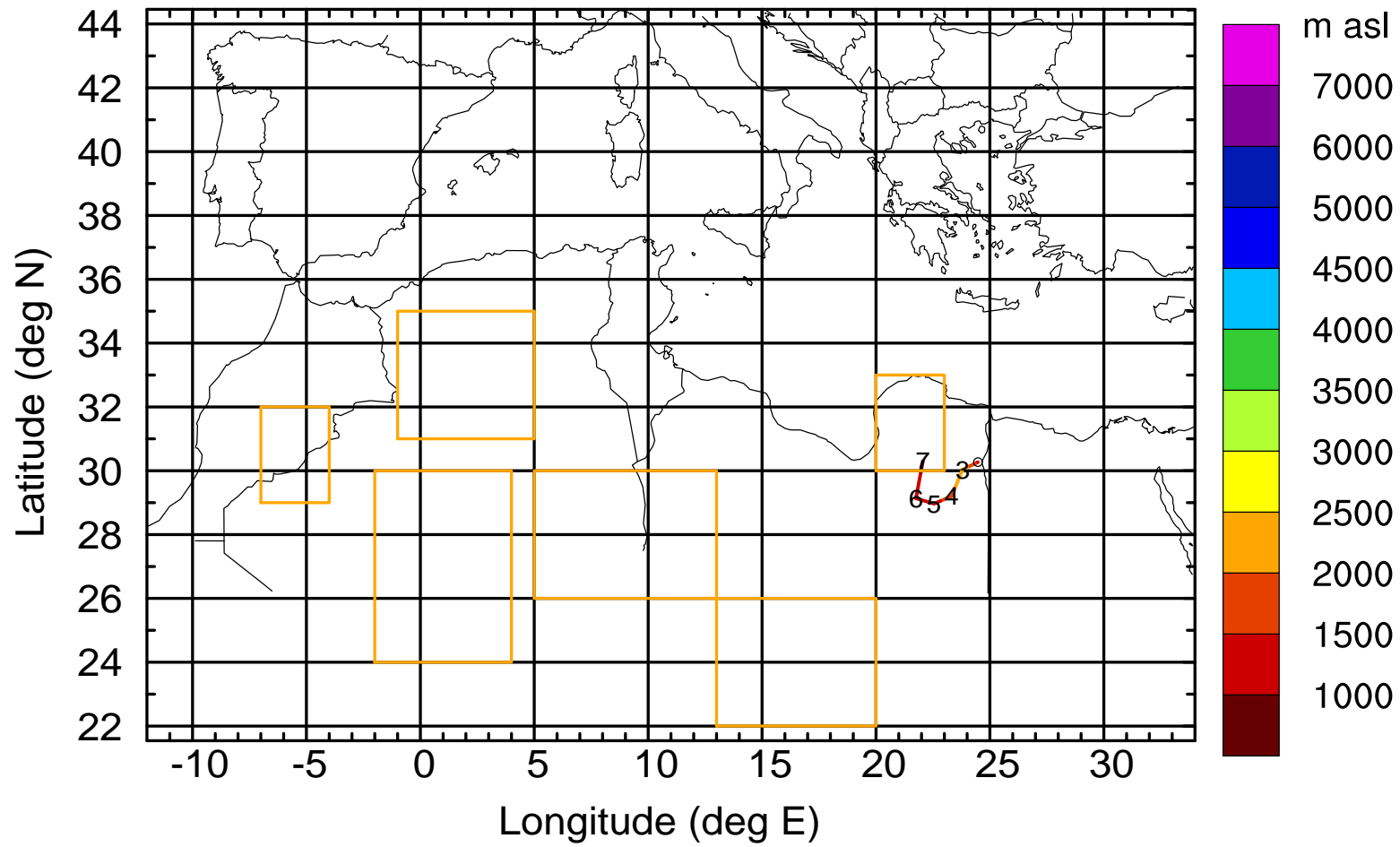
STS ground station 20170422

BWD 20170422/21 -38H = 21/07 UTC



STS ground station 20170422

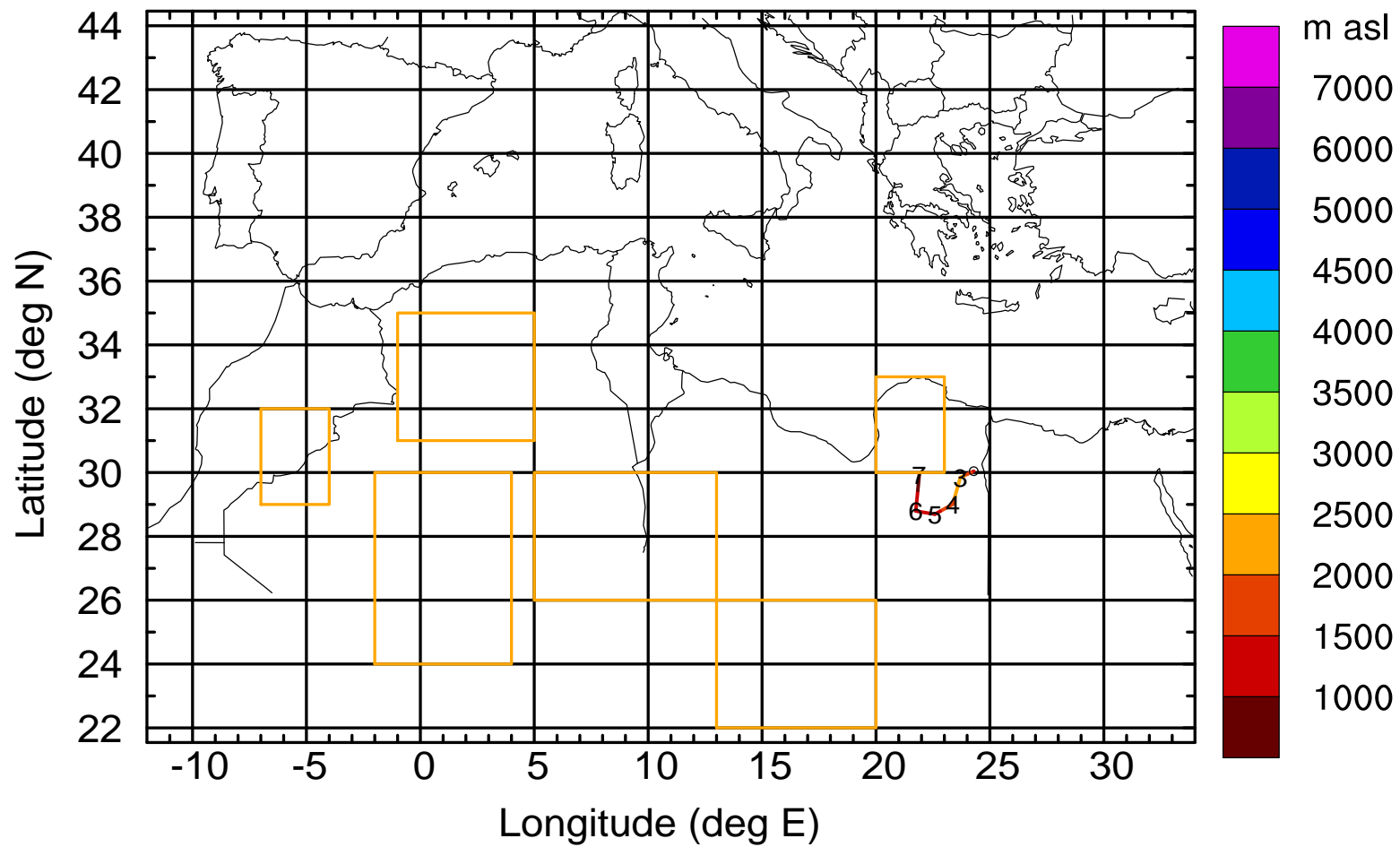
BWD 20170422/21 -39H = 21/06 UTC





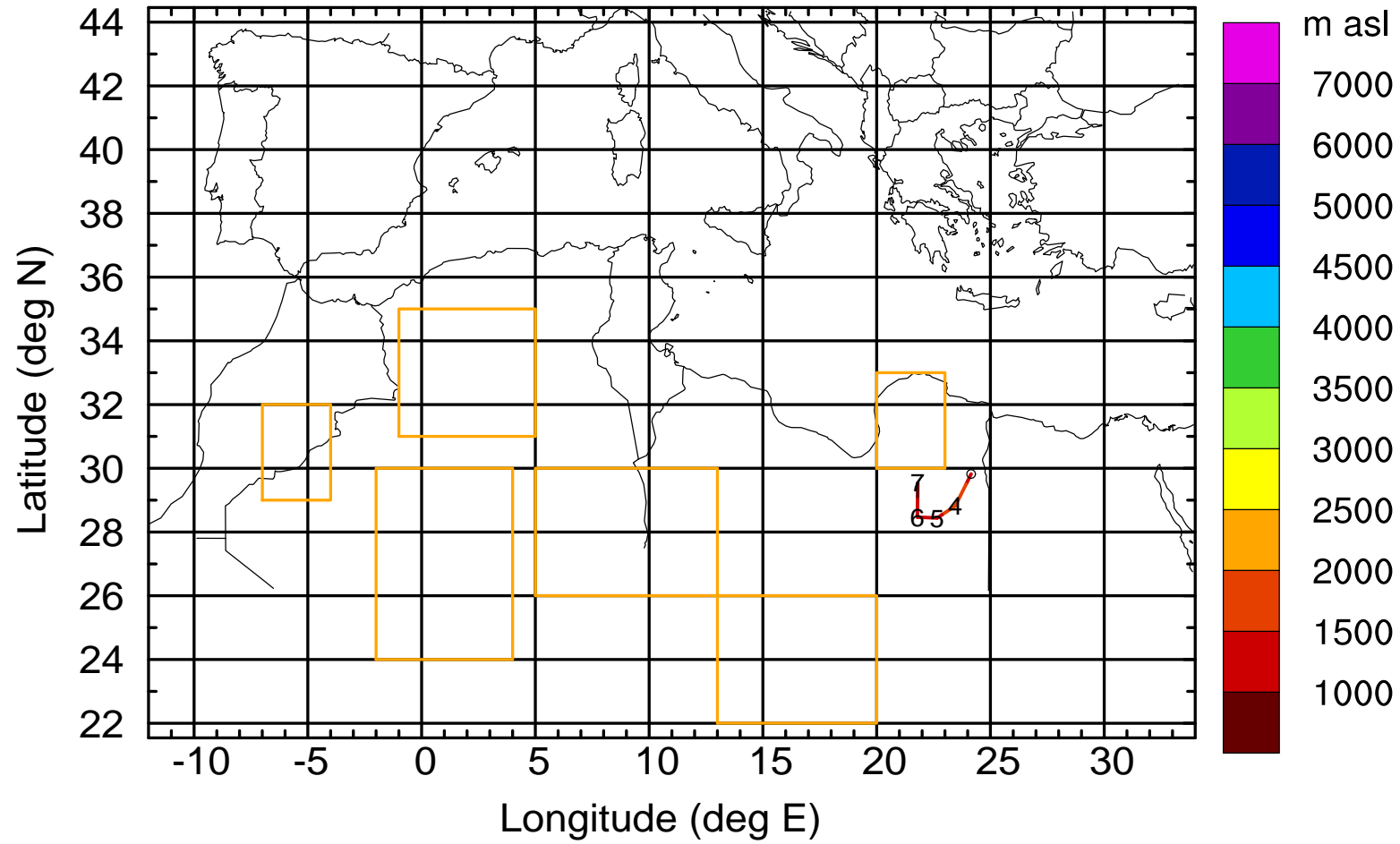
STS ground station 20170422

BWD 20170422/21 -40H = 21/05 UTC



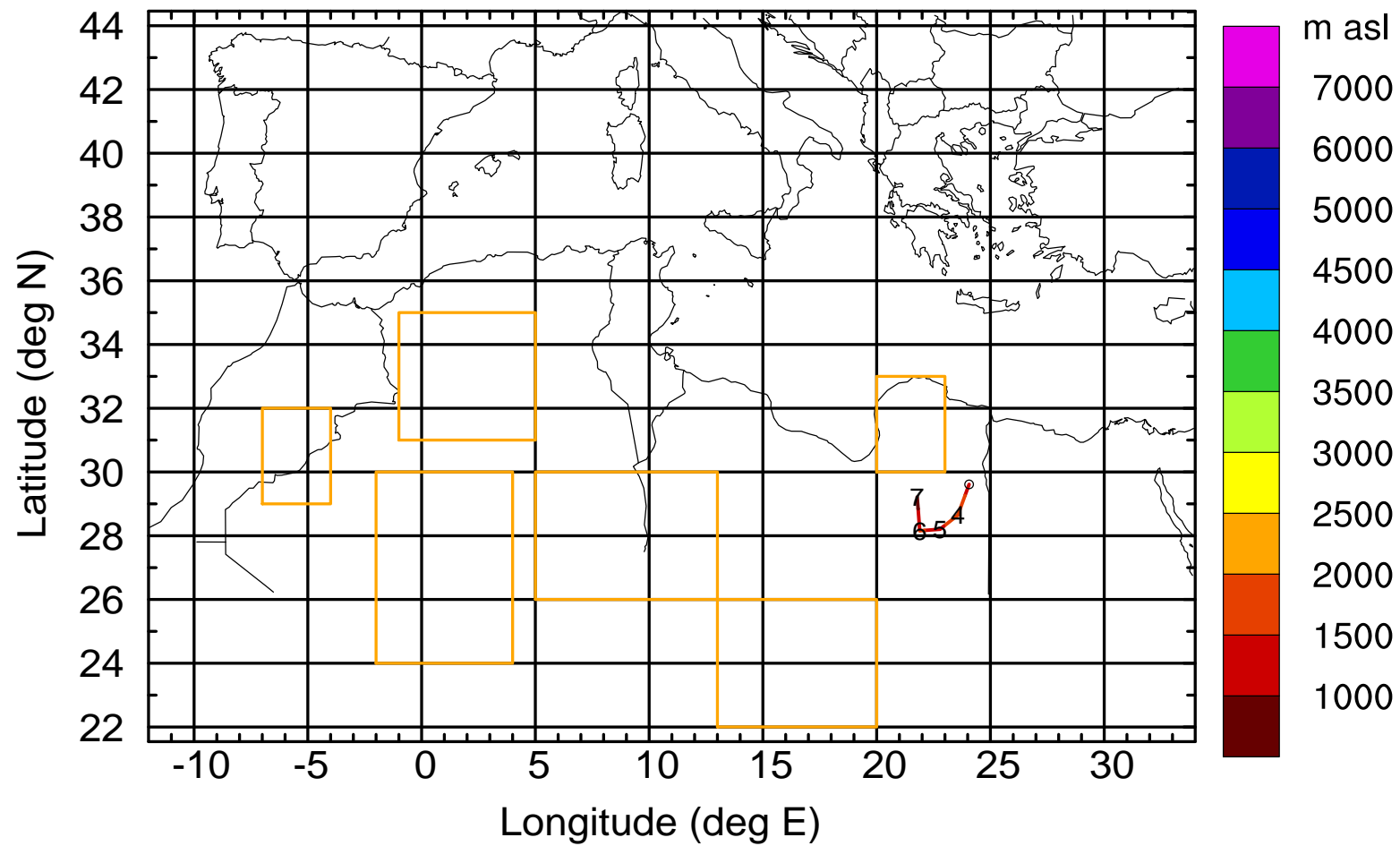
STS ground station 20170422

BWD 20170422/21 -41H = 21/04 UTC



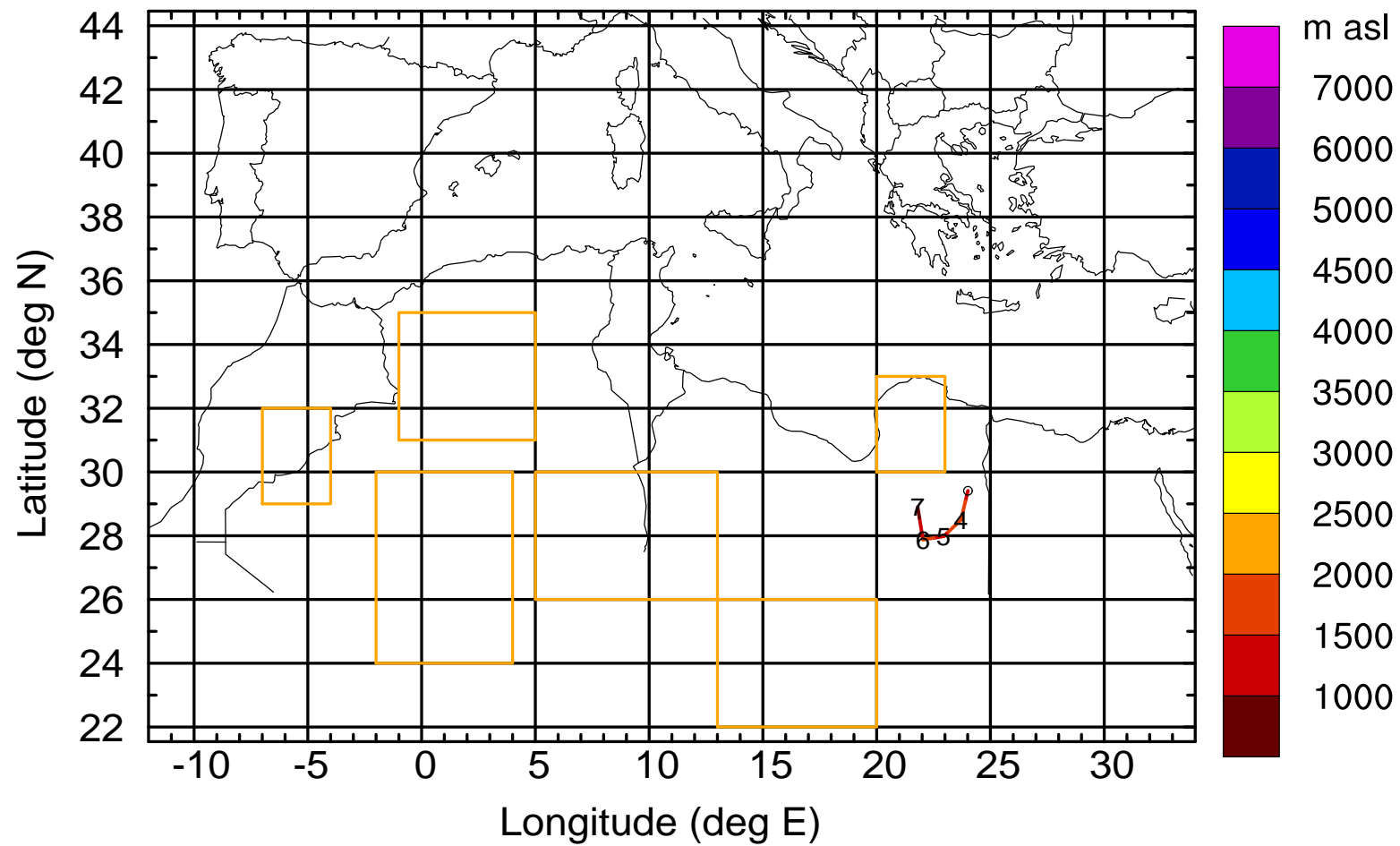
STS ground station 20170422

BWD 20170422/21 -42H = 21/03 UTC



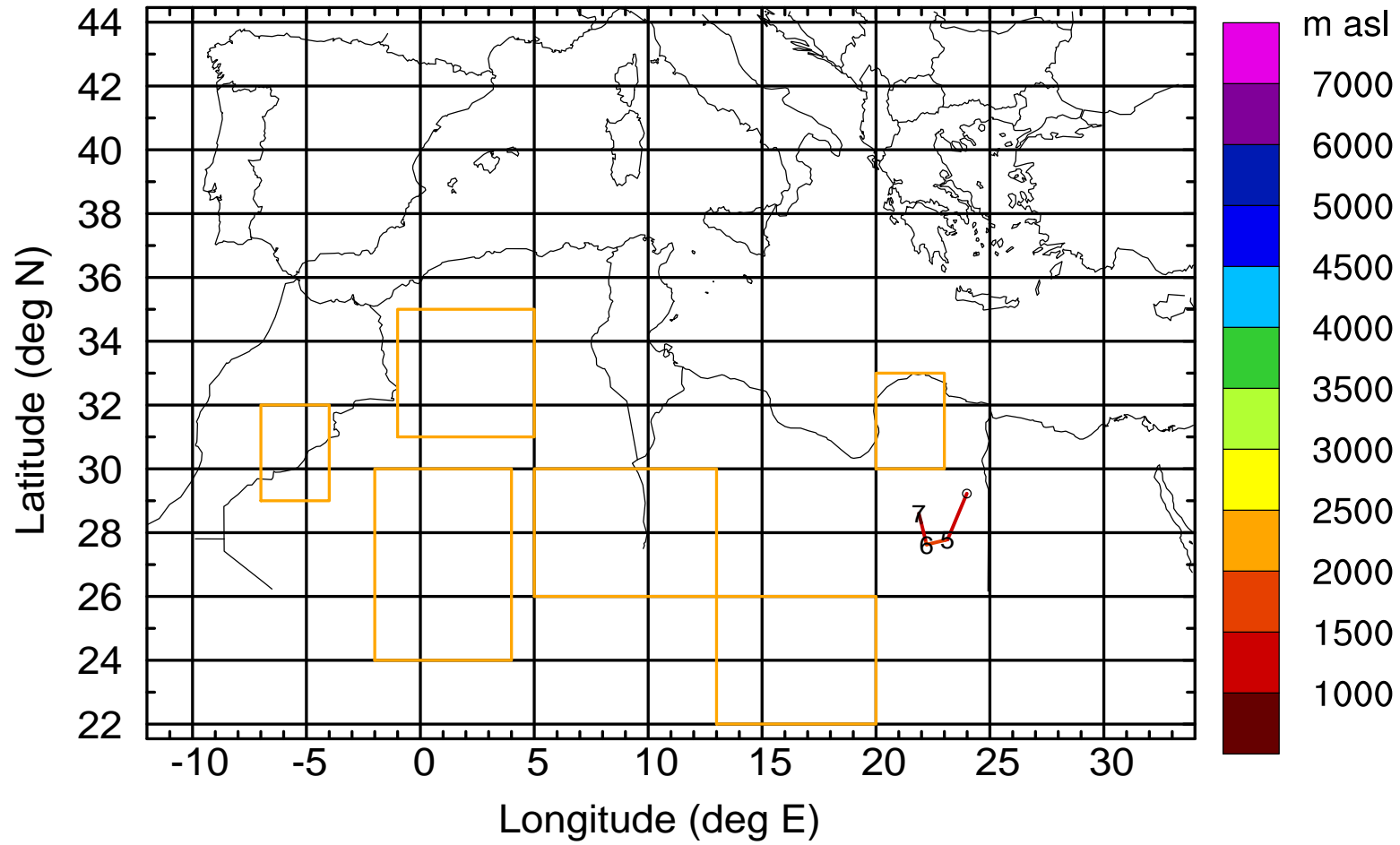
STS ground station 20170422

BWD 20170422/21 -43H = 21/02 UTC



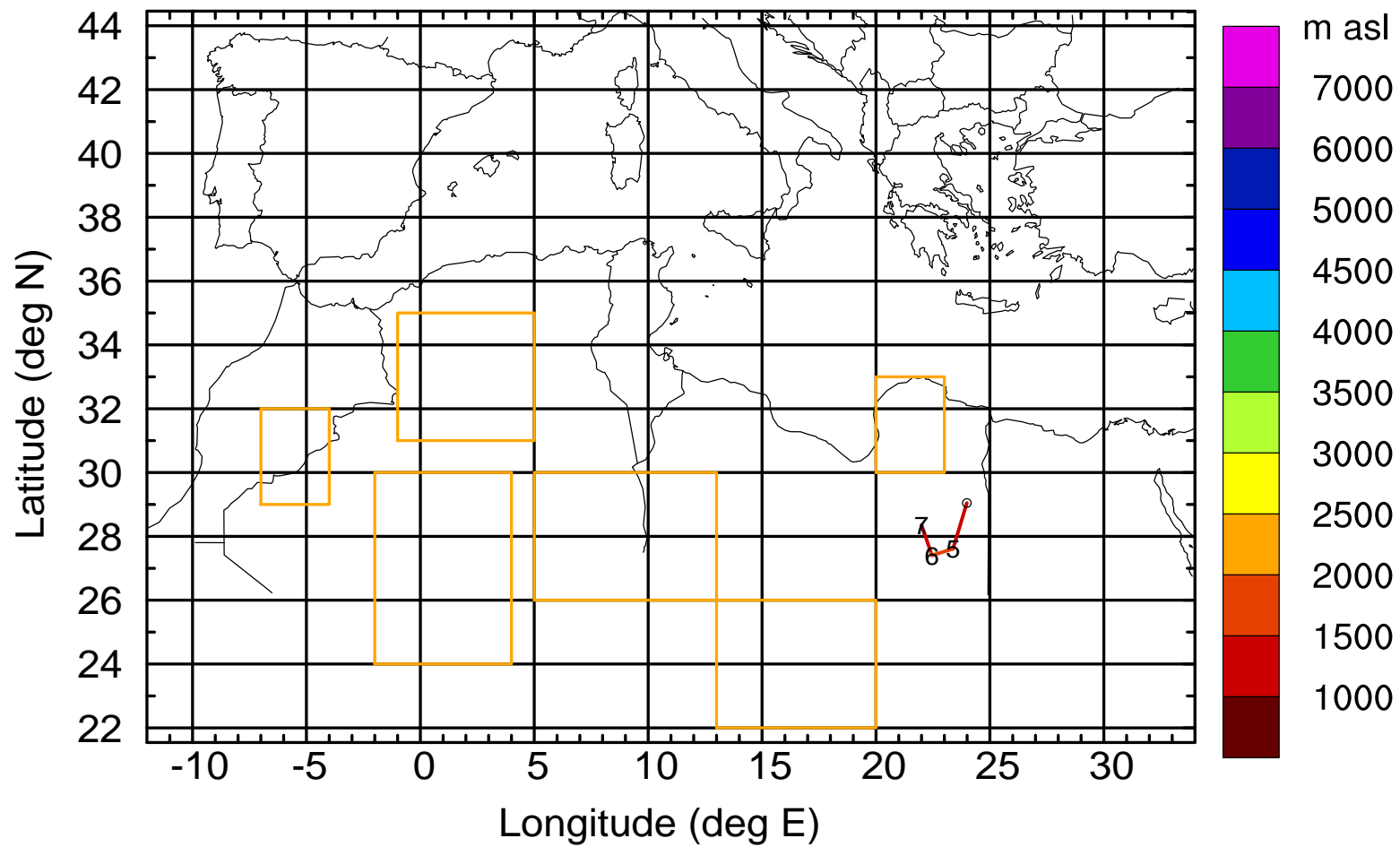
STS ground station 20170422

BWD 20170422/21 -44H = 21/01 UTC



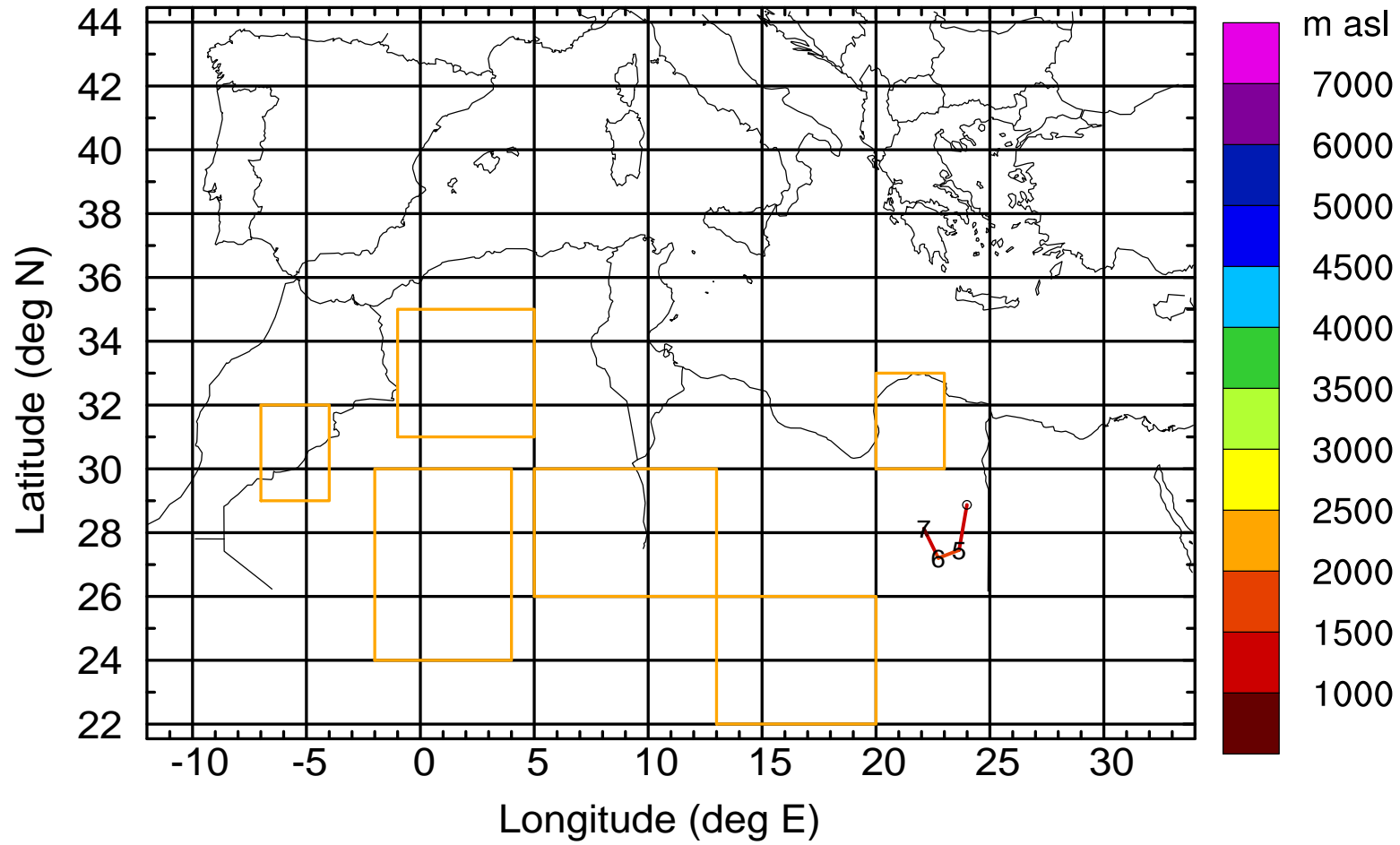
STS ground station 20170422

BWD 20170422/21 -45H = 21/00 UTC



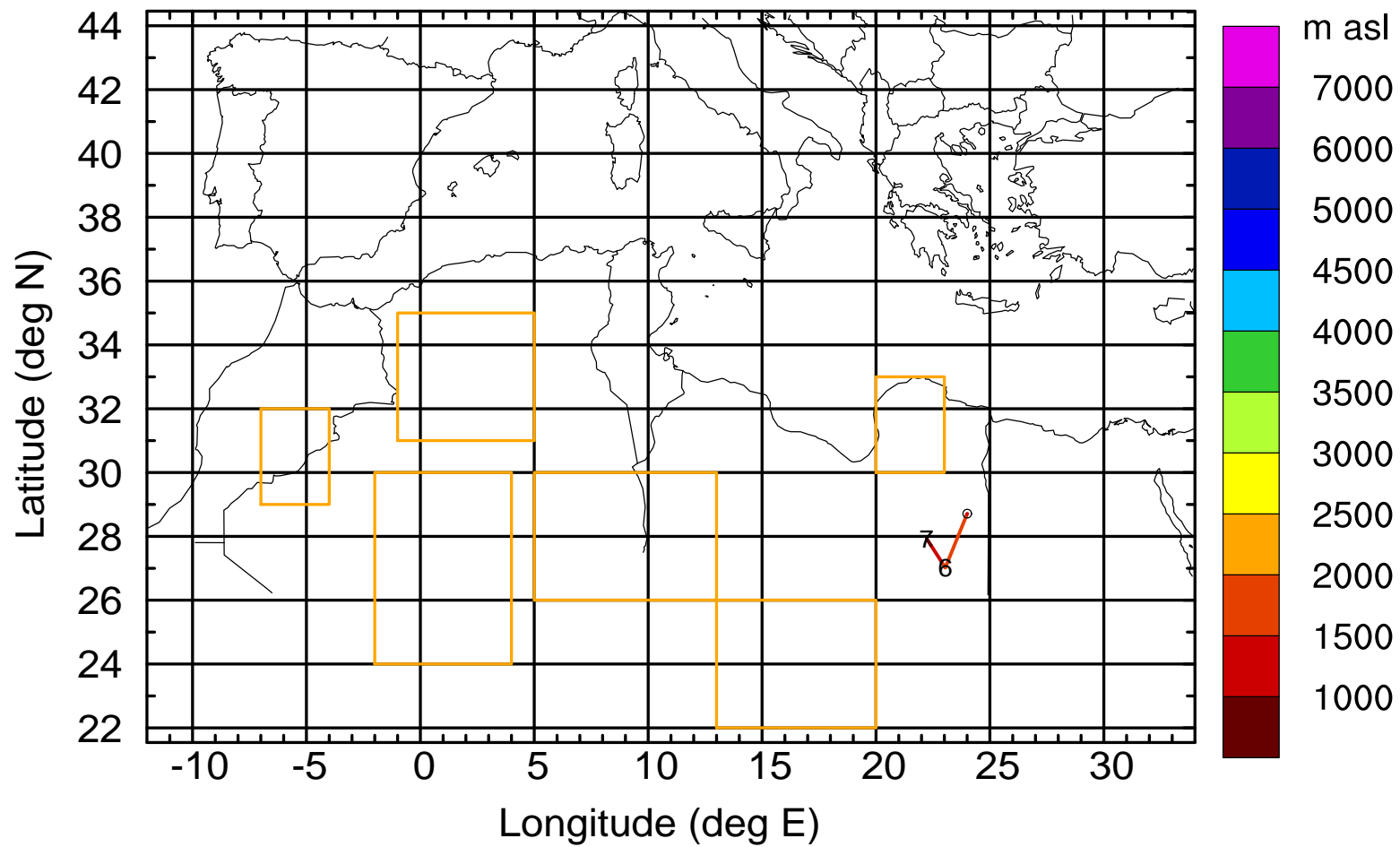
STS ground station 20170422

BWD 20170422/21 -46H = 20/23 UTC



STS ground station 20170422

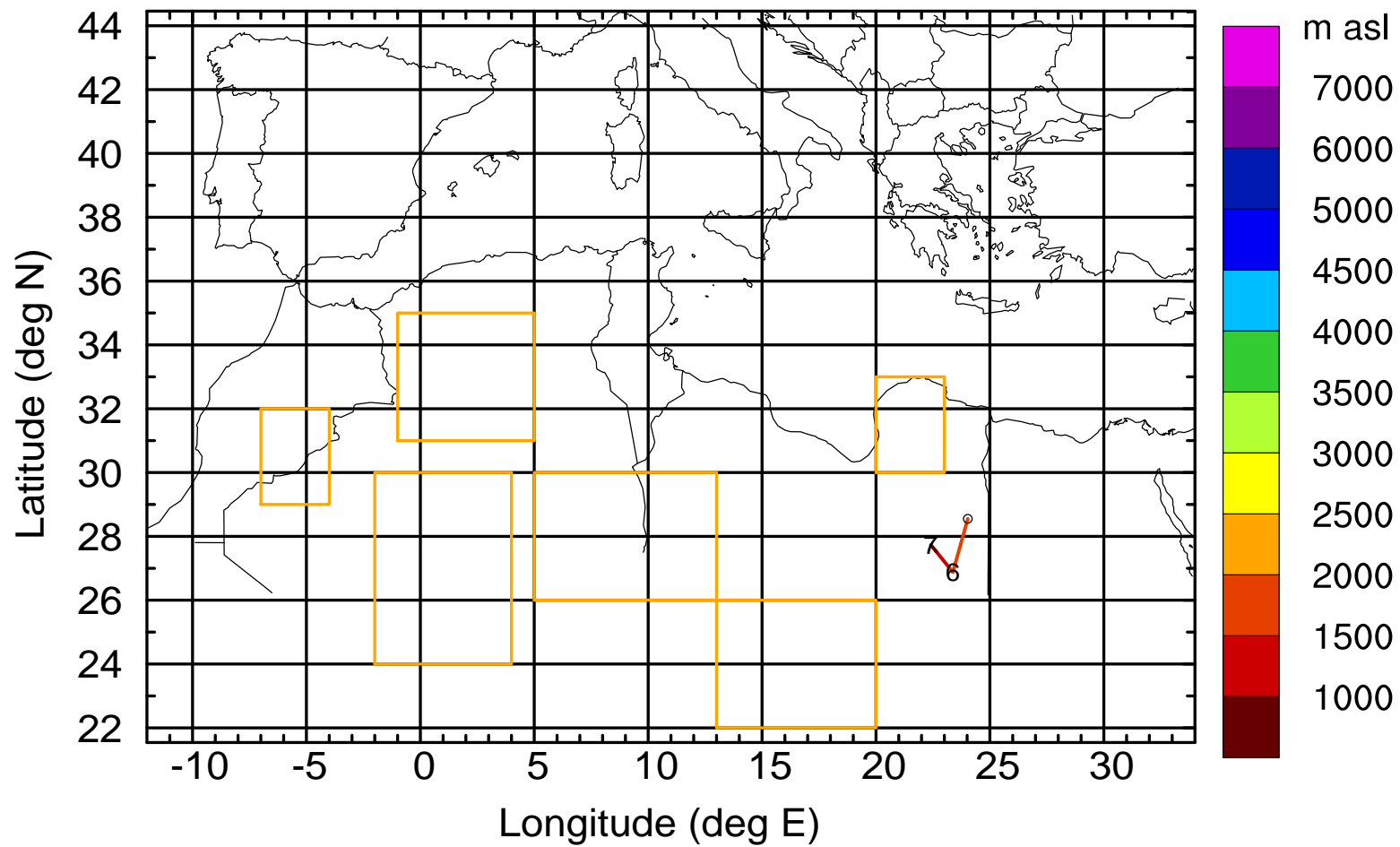
BWD 20170422/21 -47H = 20/22 UTC





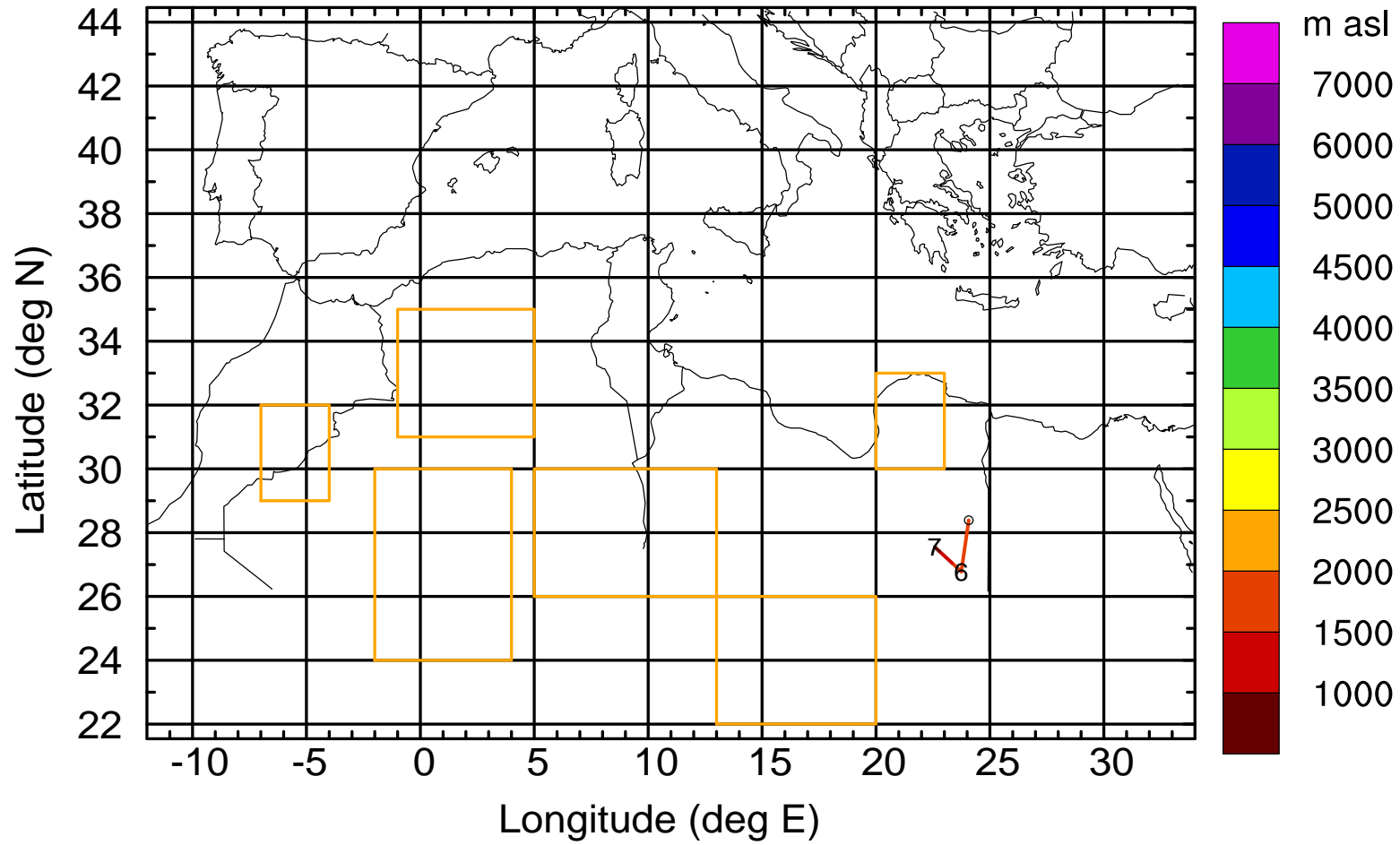
STS ground station 20170422

BWD 20170422/21 -48H = 20/21 UTC



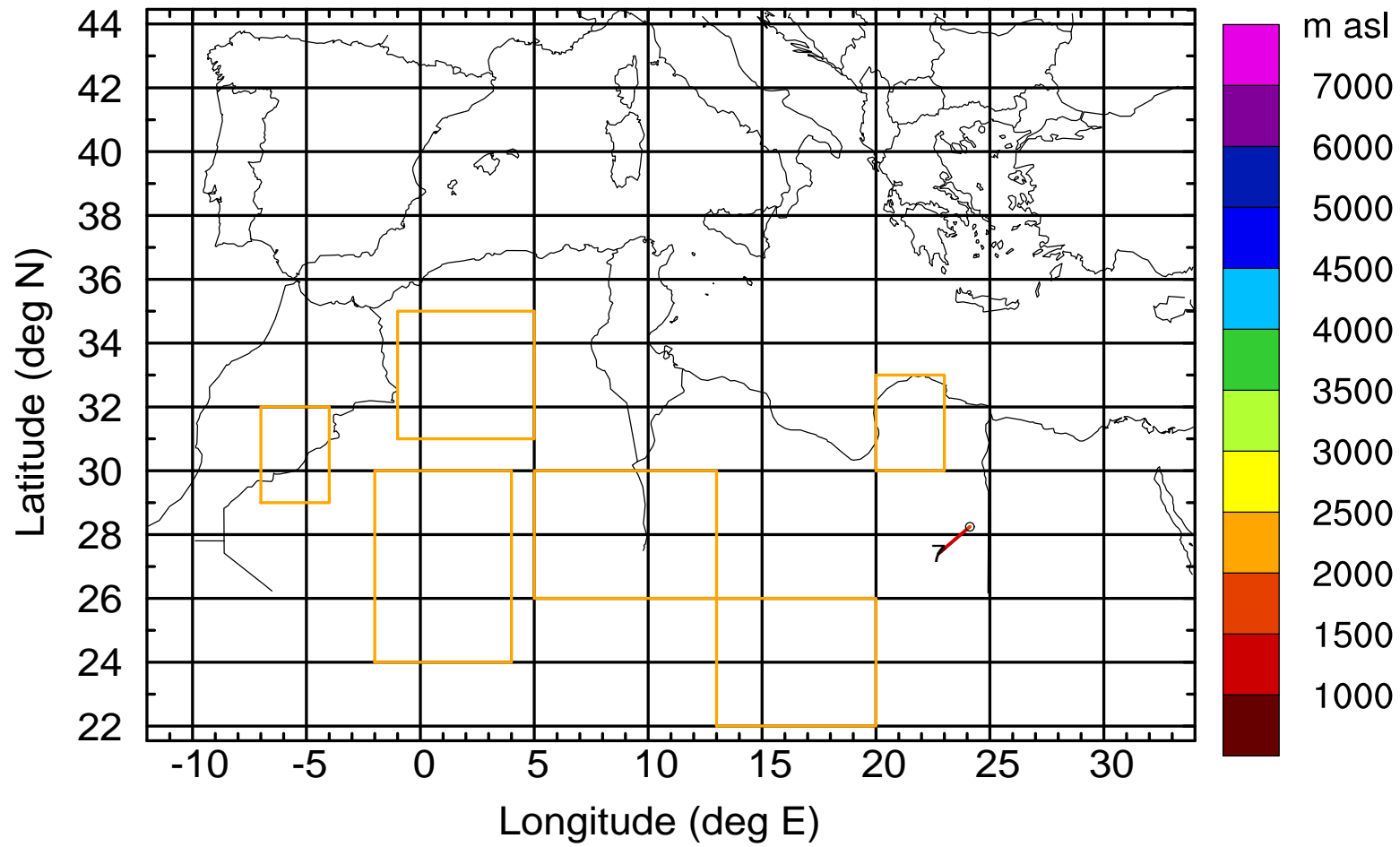
STS ground station 20170422

BWD 20170422/21 -49H = 20/20 UTC



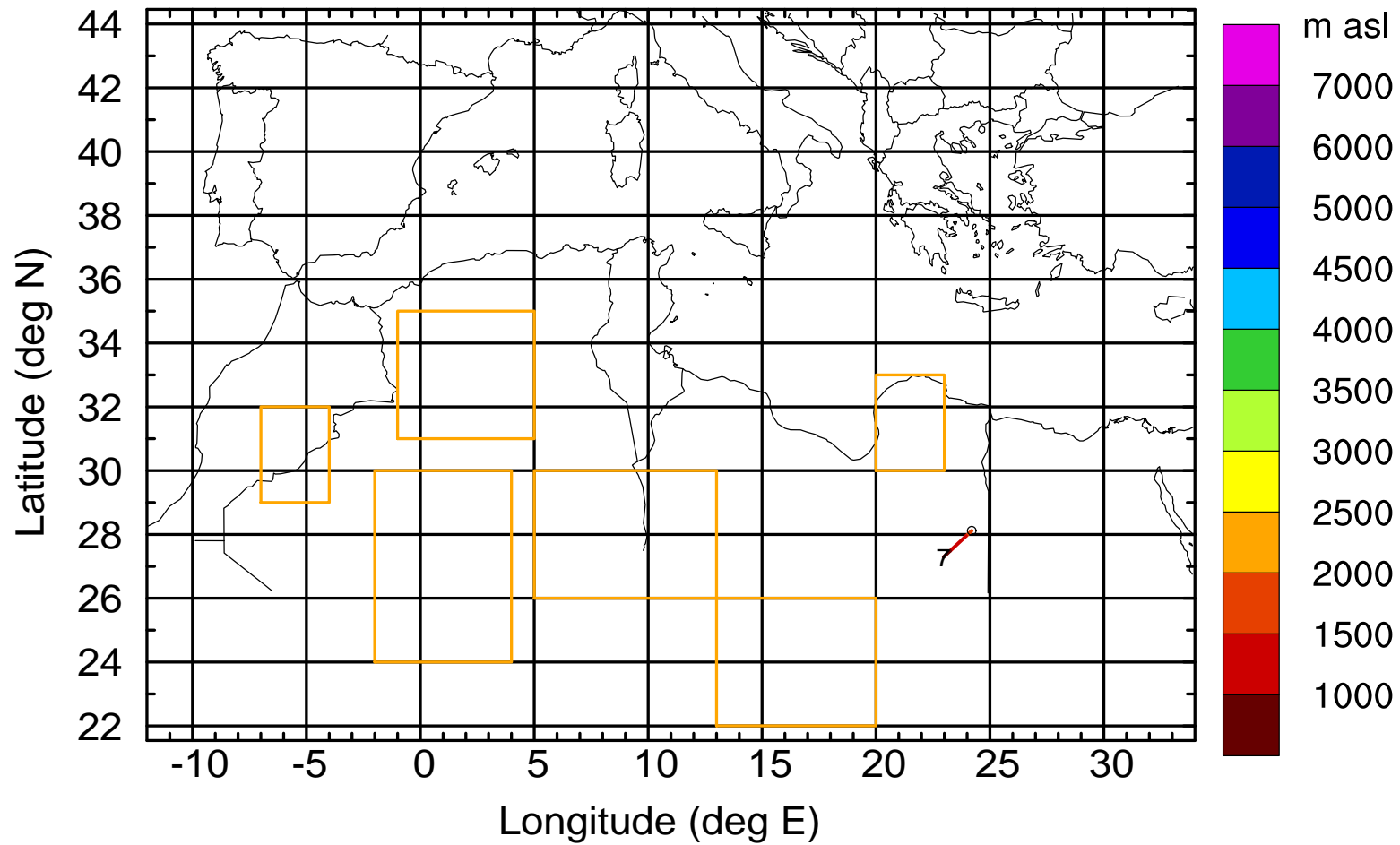
STS ground station 20170422

BWD 20170422/21 -50H = 20/19 UTC



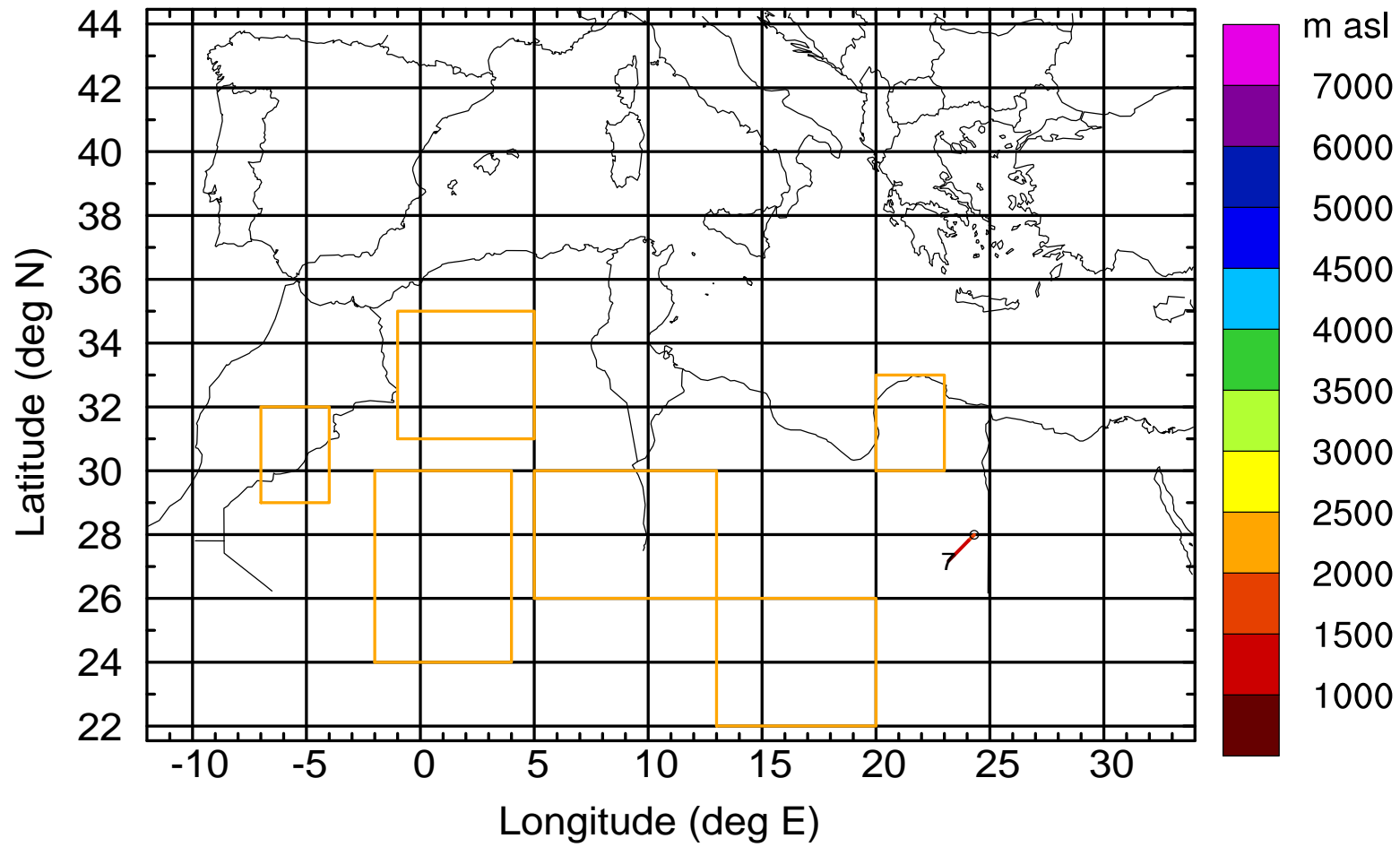
STS ground station 20170422

BWD 20170422/21 -51H = 20/18 UTC



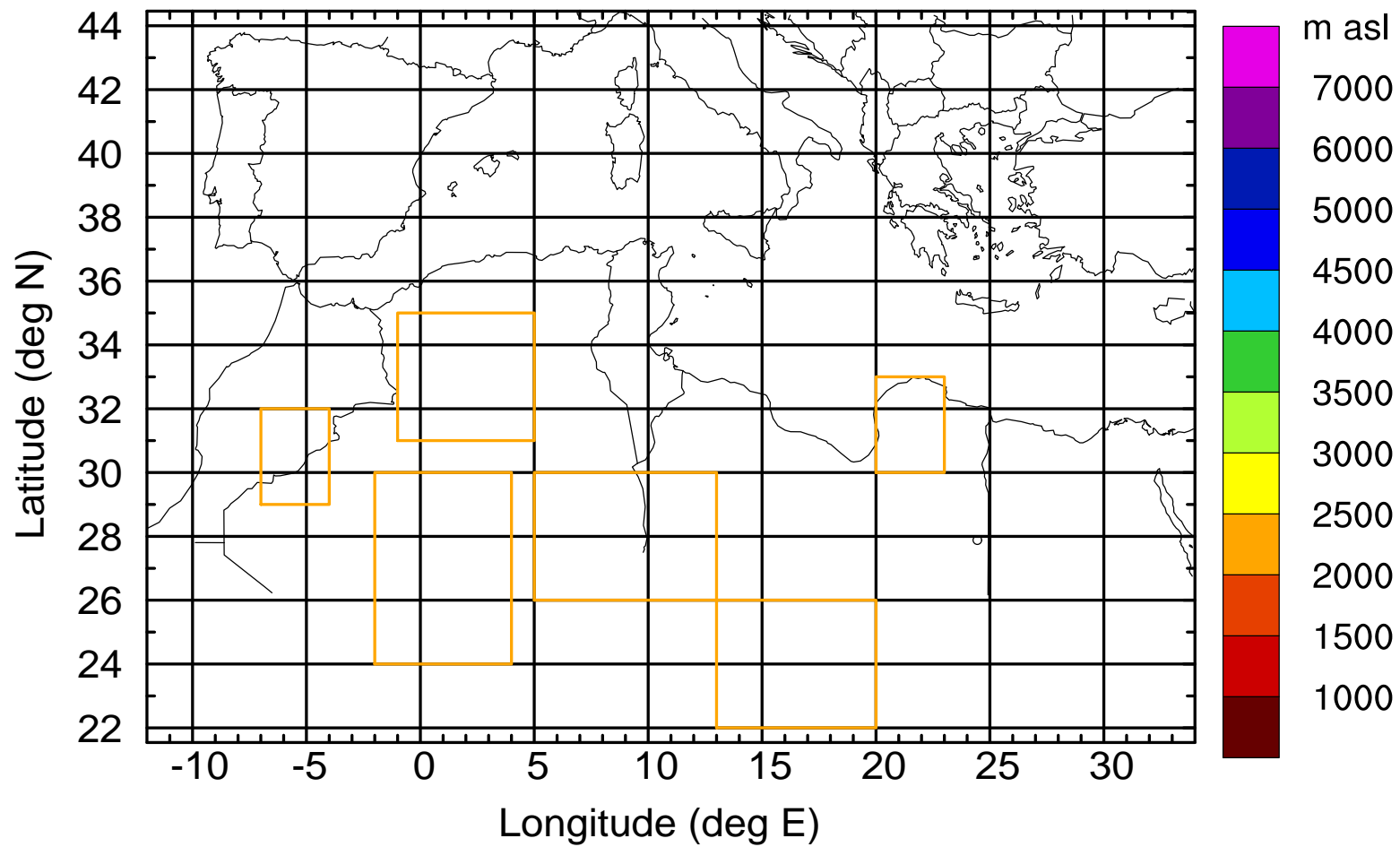
STS ground station 20170422

BWD 20170422/21 -52H = 20/17 UTC



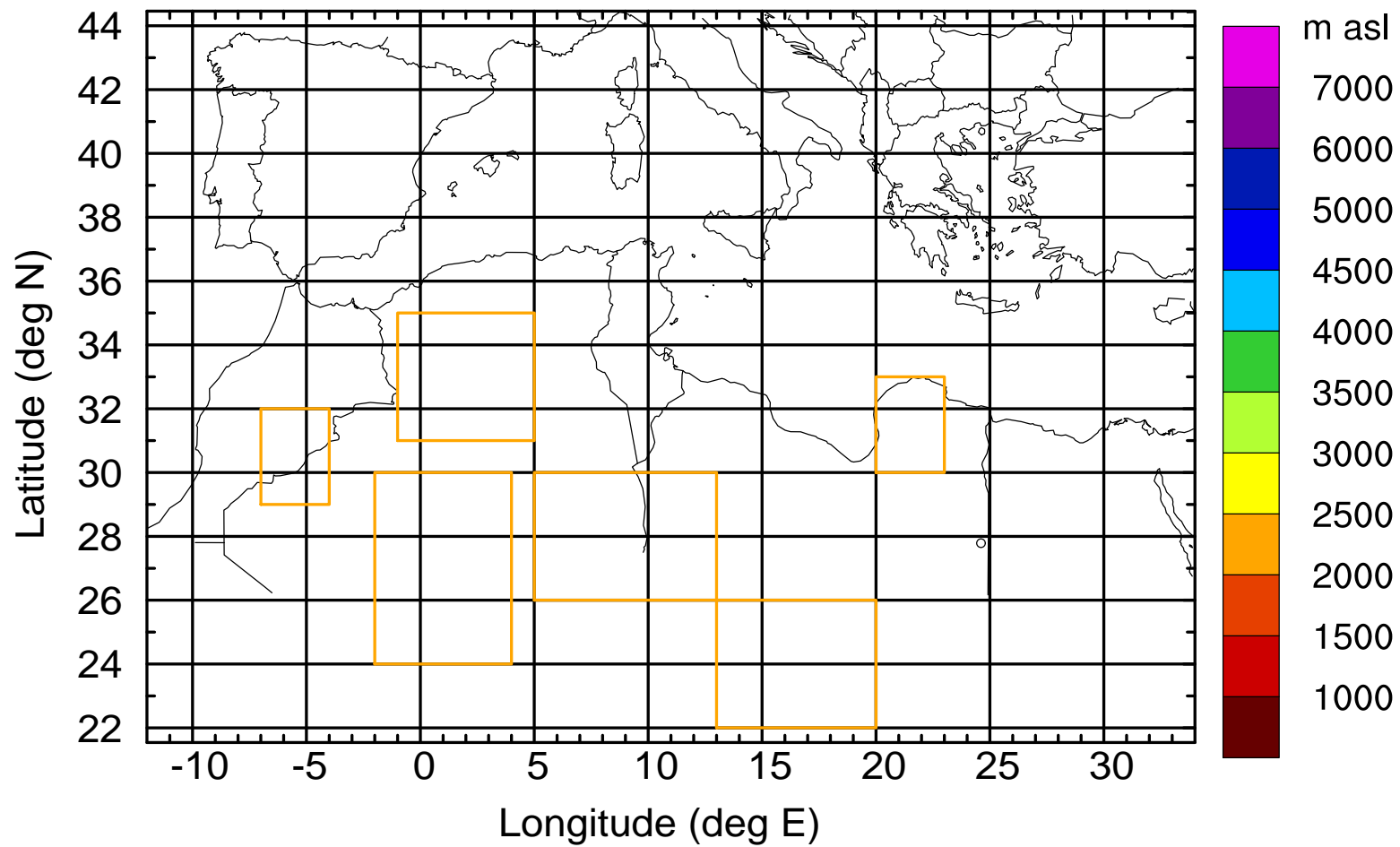
STS ground station 20170422

BWD 20170422/21 -52H = 20/17 UTC



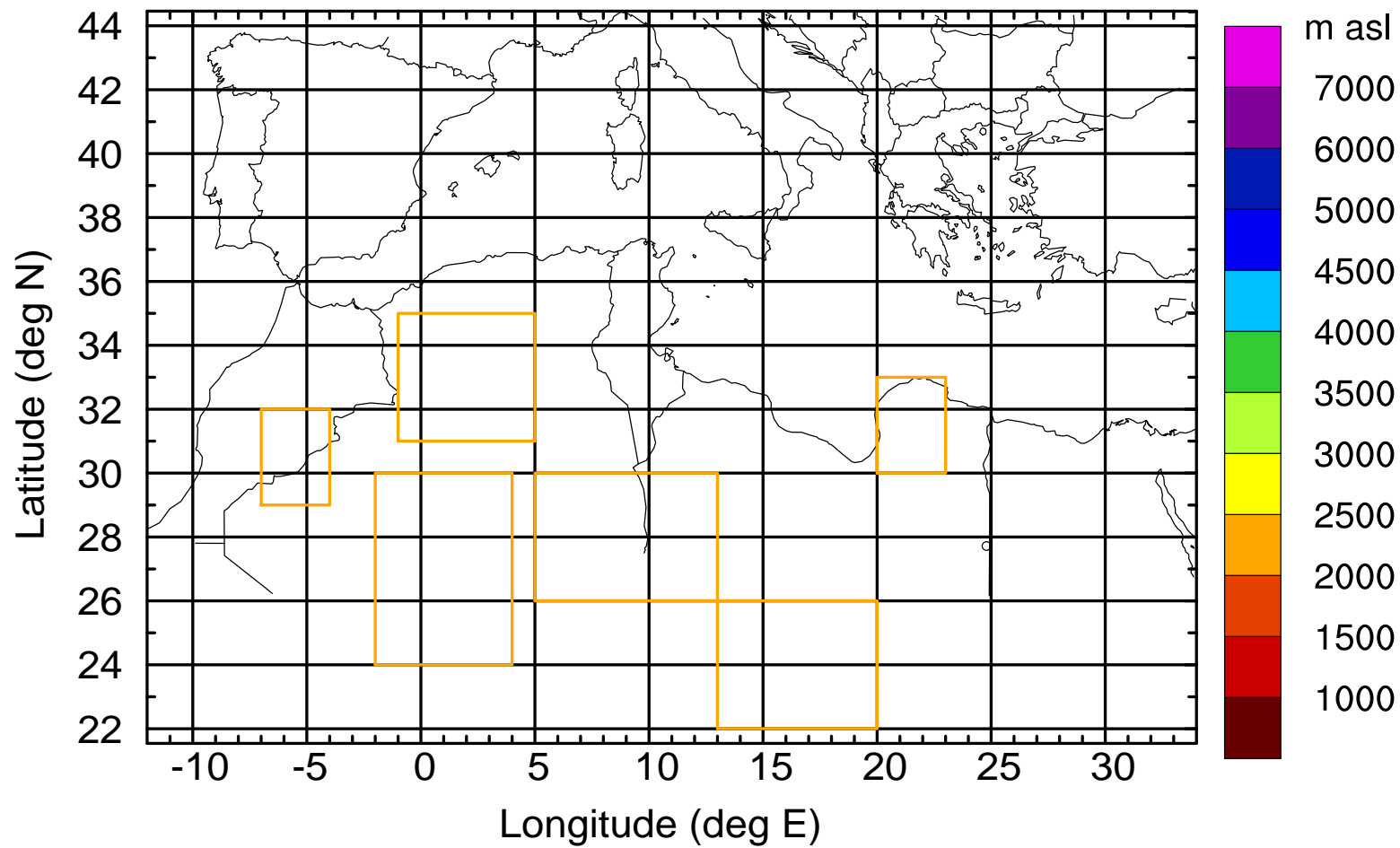
STS ground station 20170422

BWD 20170422/21 -52H = 20/17 UTC



STS ground station 20170422

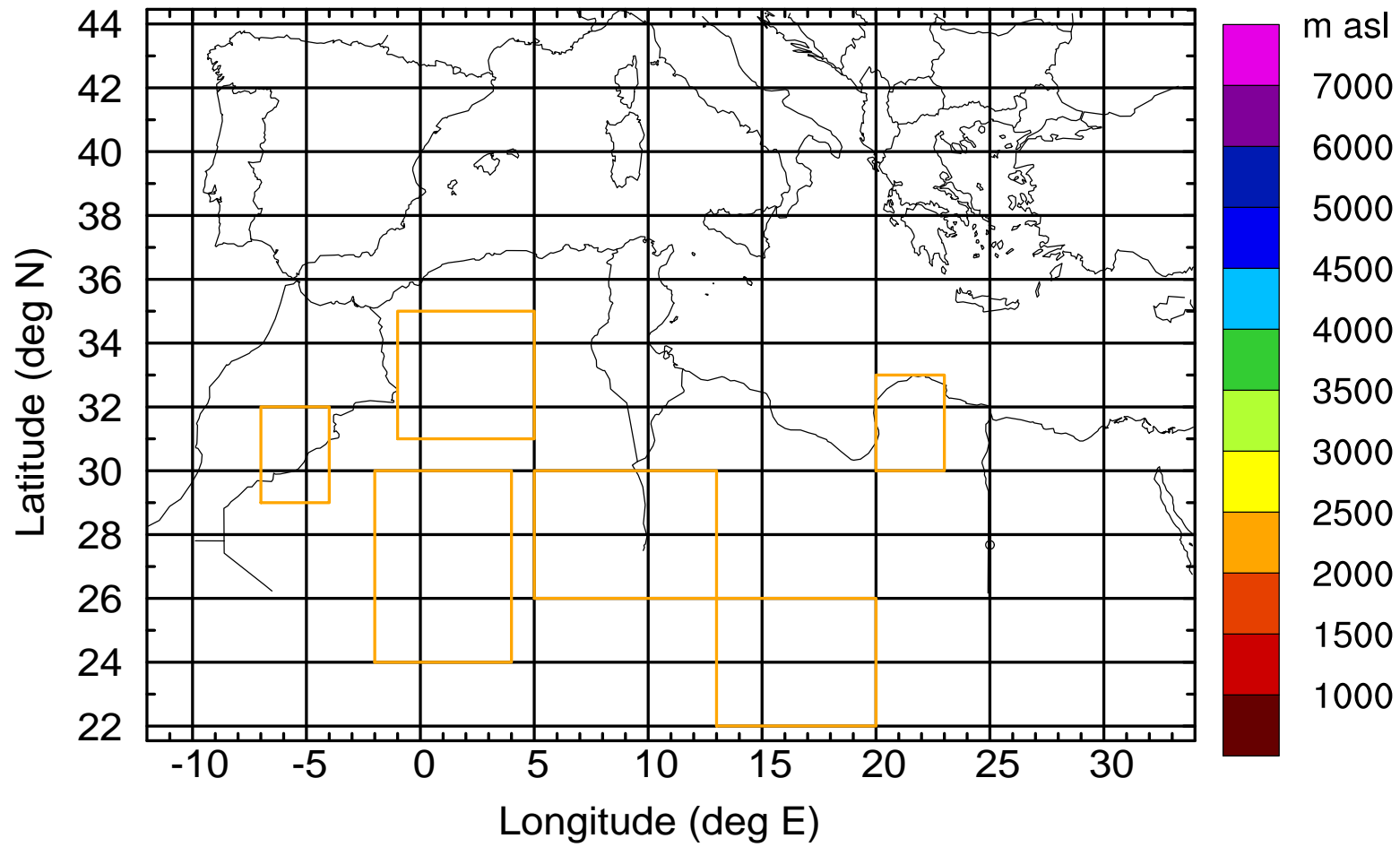
BWD 20170422/21 -52H = 20/17 UTC





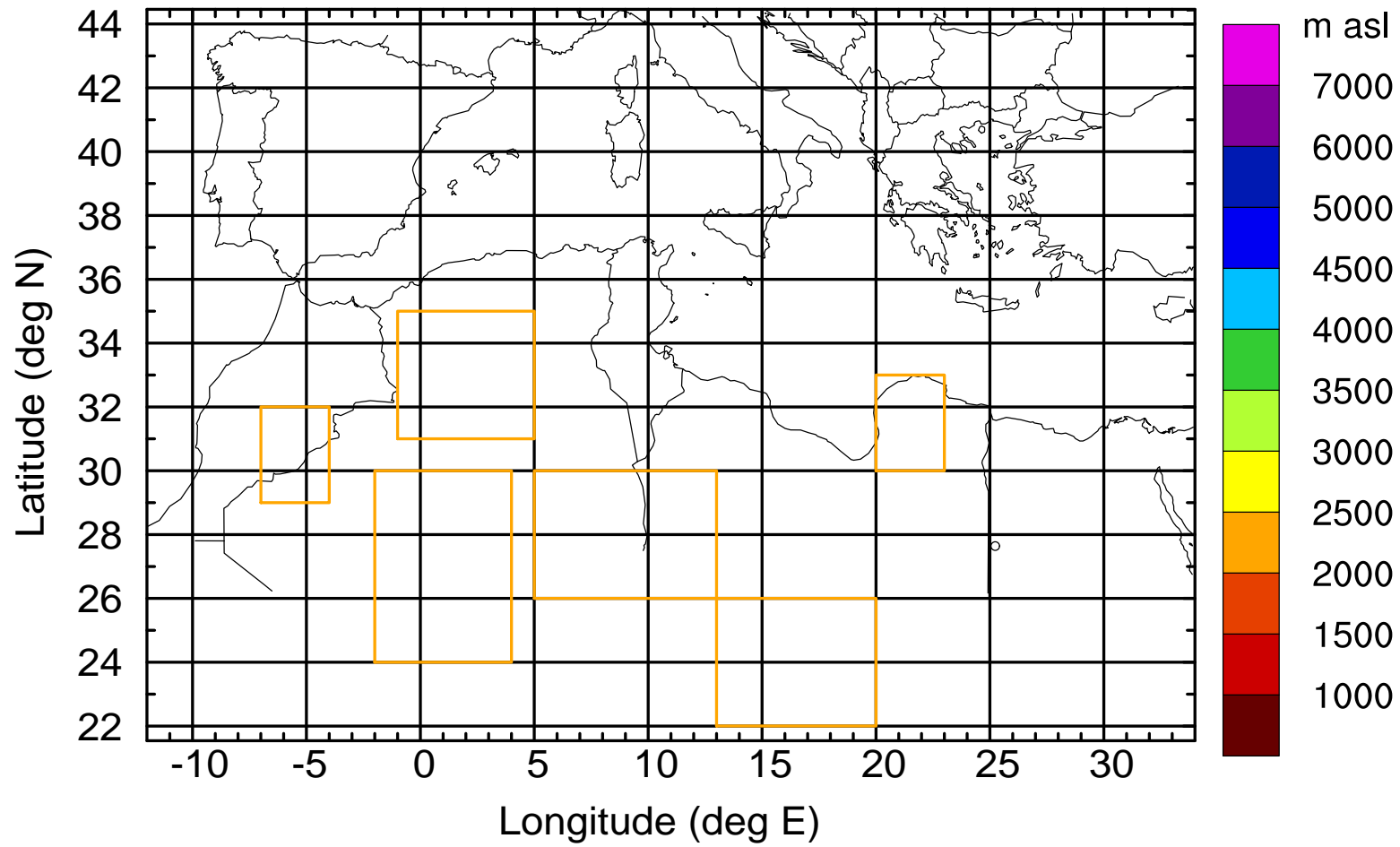
STS ground station 20170422

BWD 20170422/21 -52H = 20/17 UTC



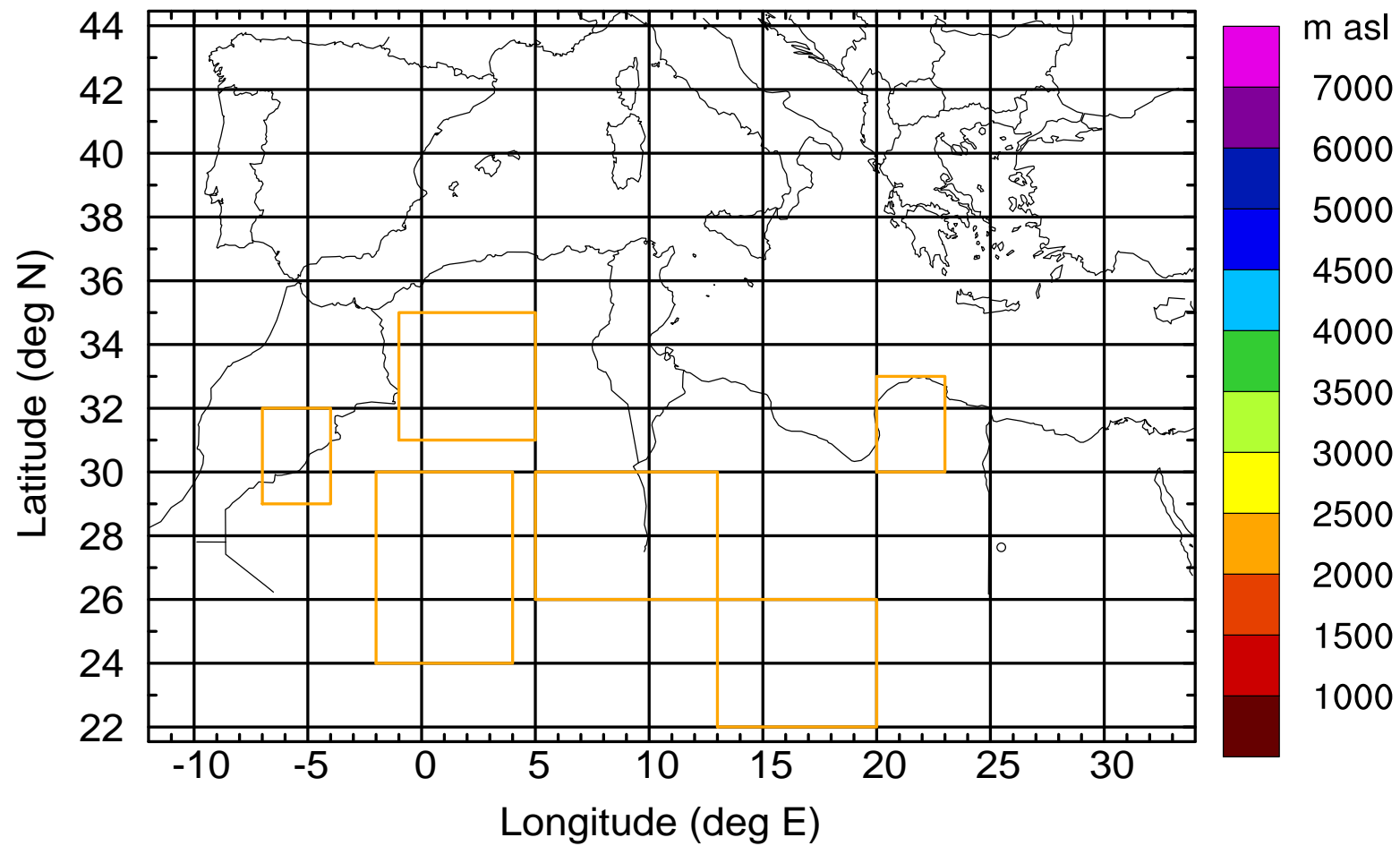
STS ground station 20170422

BWD 20170422/21 -52H = 20/17 UTC



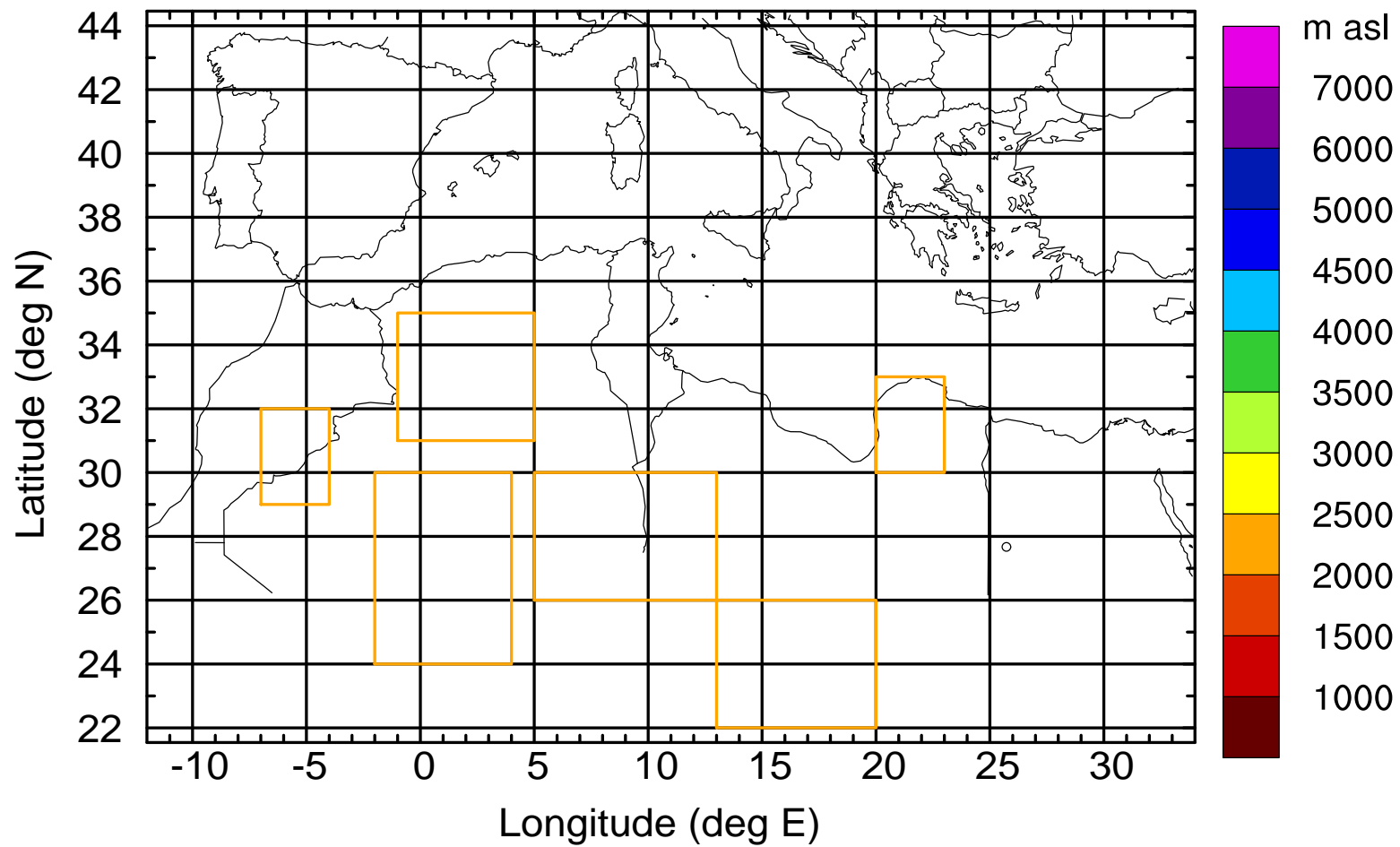
STS ground station 20170422

BWD 20170422/21 -52H = 20/17 UTC



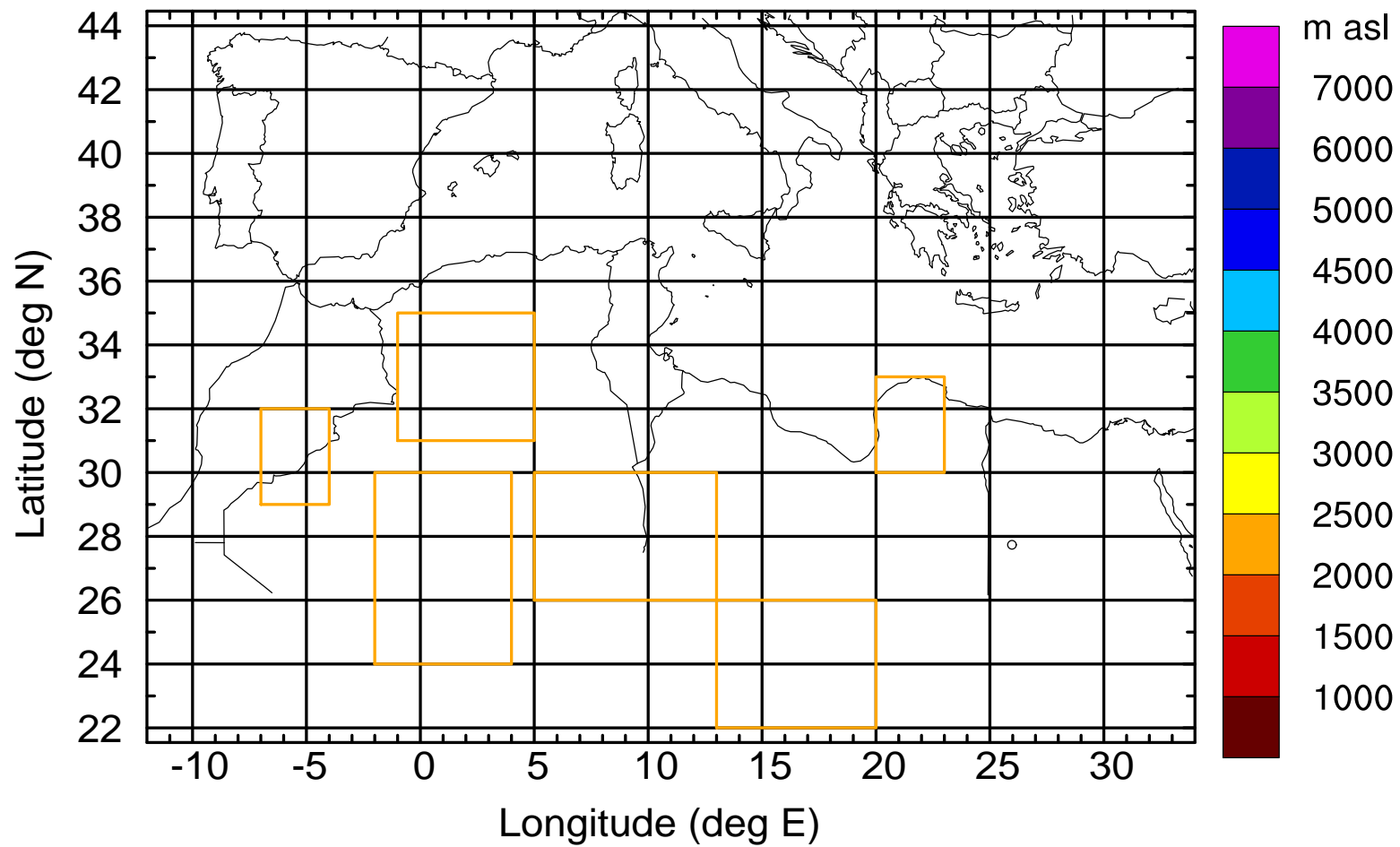
STS ground station 20170422

BWD 20170422/21 -52H = 20/17 UTC



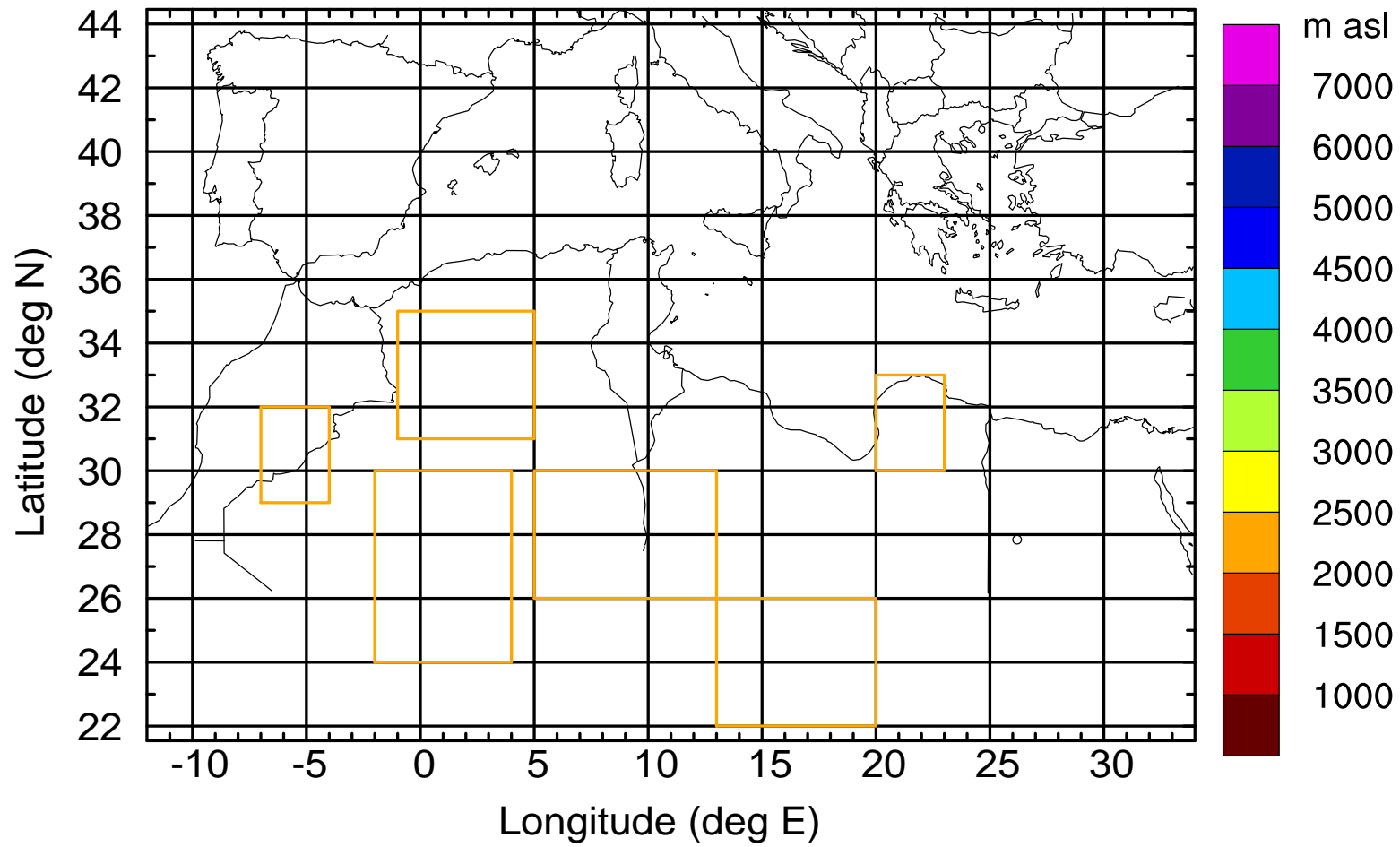
STS ground station 20170422

BWD 20170422/21 -52H = 20/17 UTC



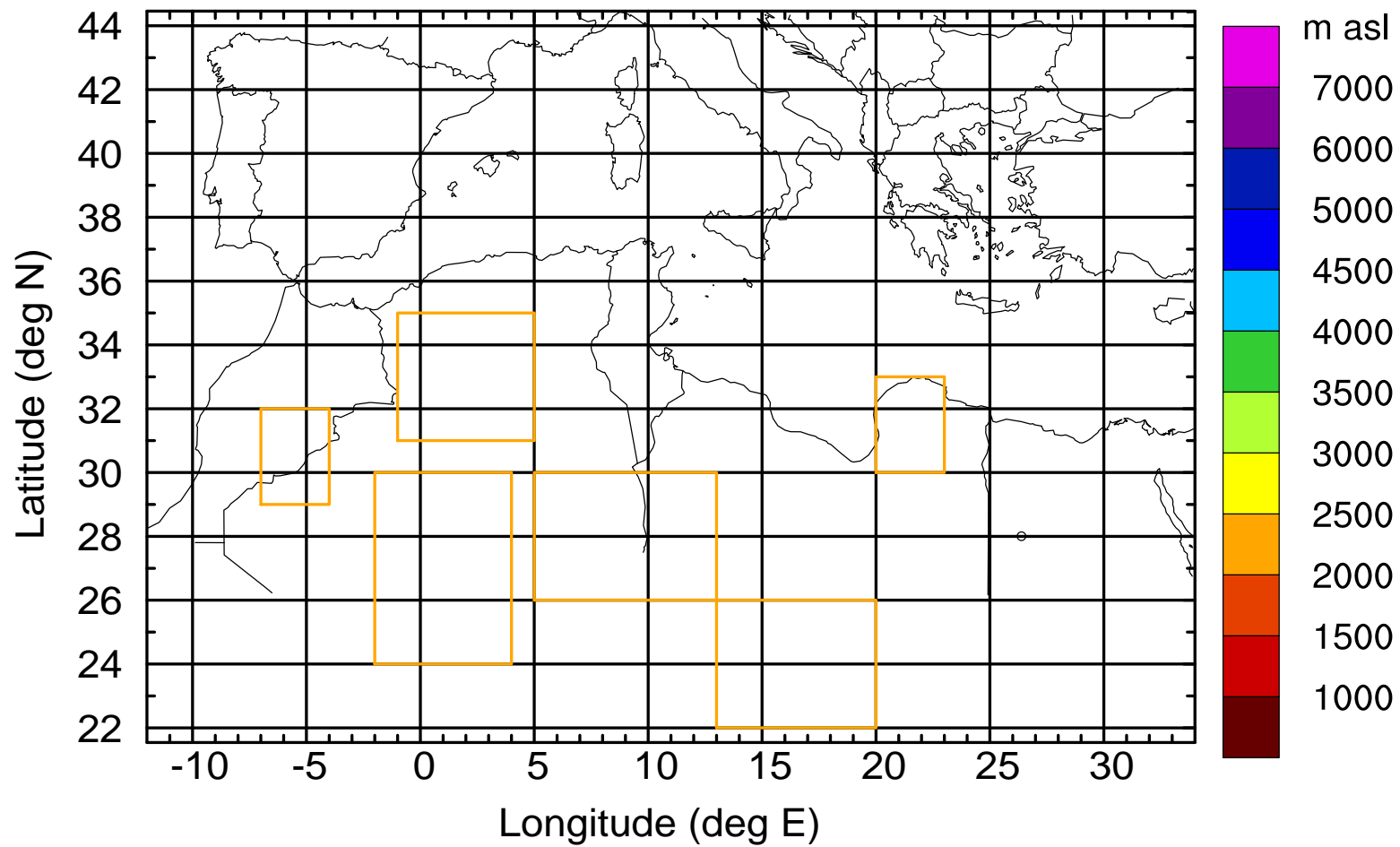
STS ground station 20170422

BWD 20170422/21 -52H = 20/17 UTC



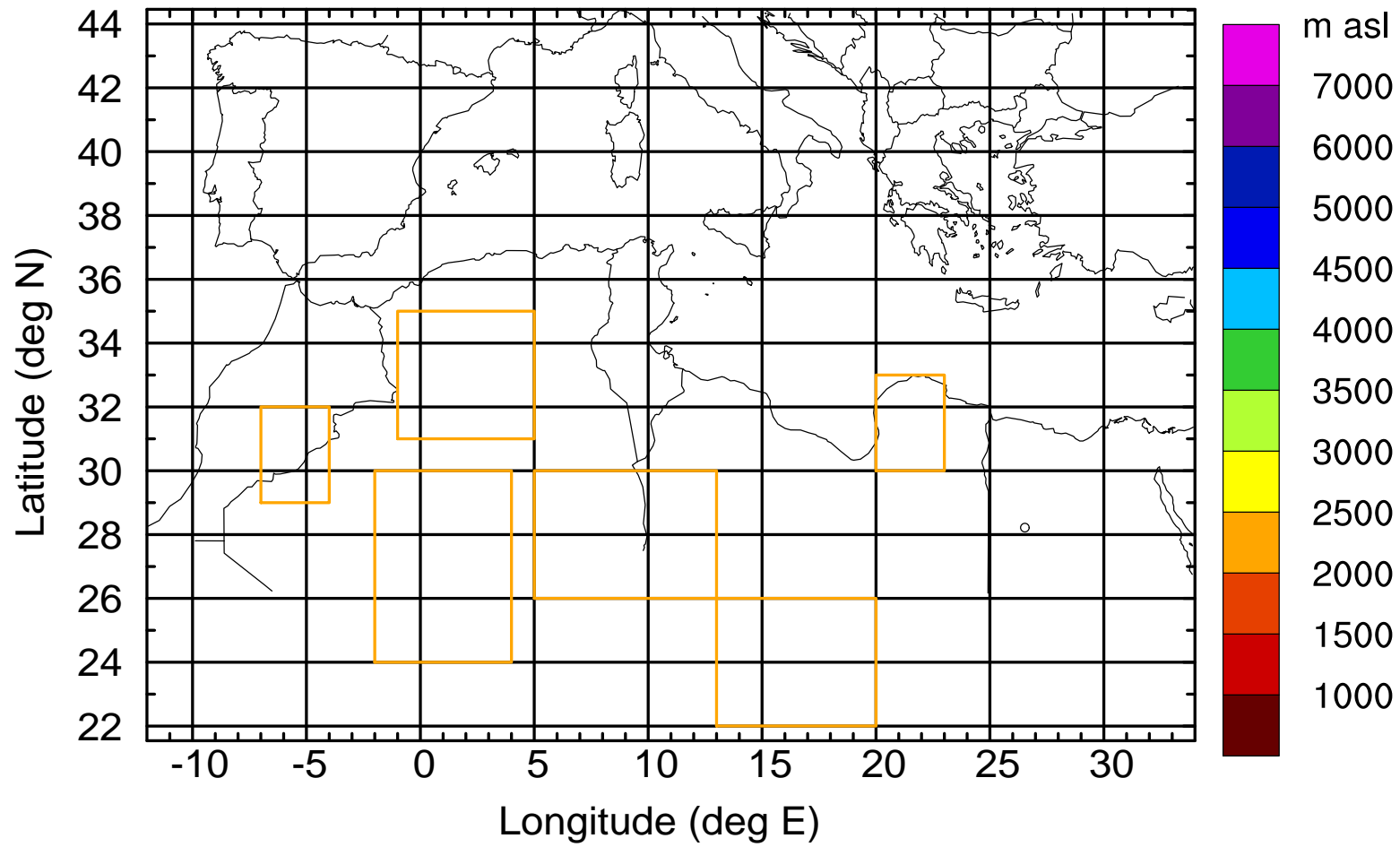
STS ground station 20170422

BWD 20170422/21 -52H = 20/17 UTC



STS ground station 20170422

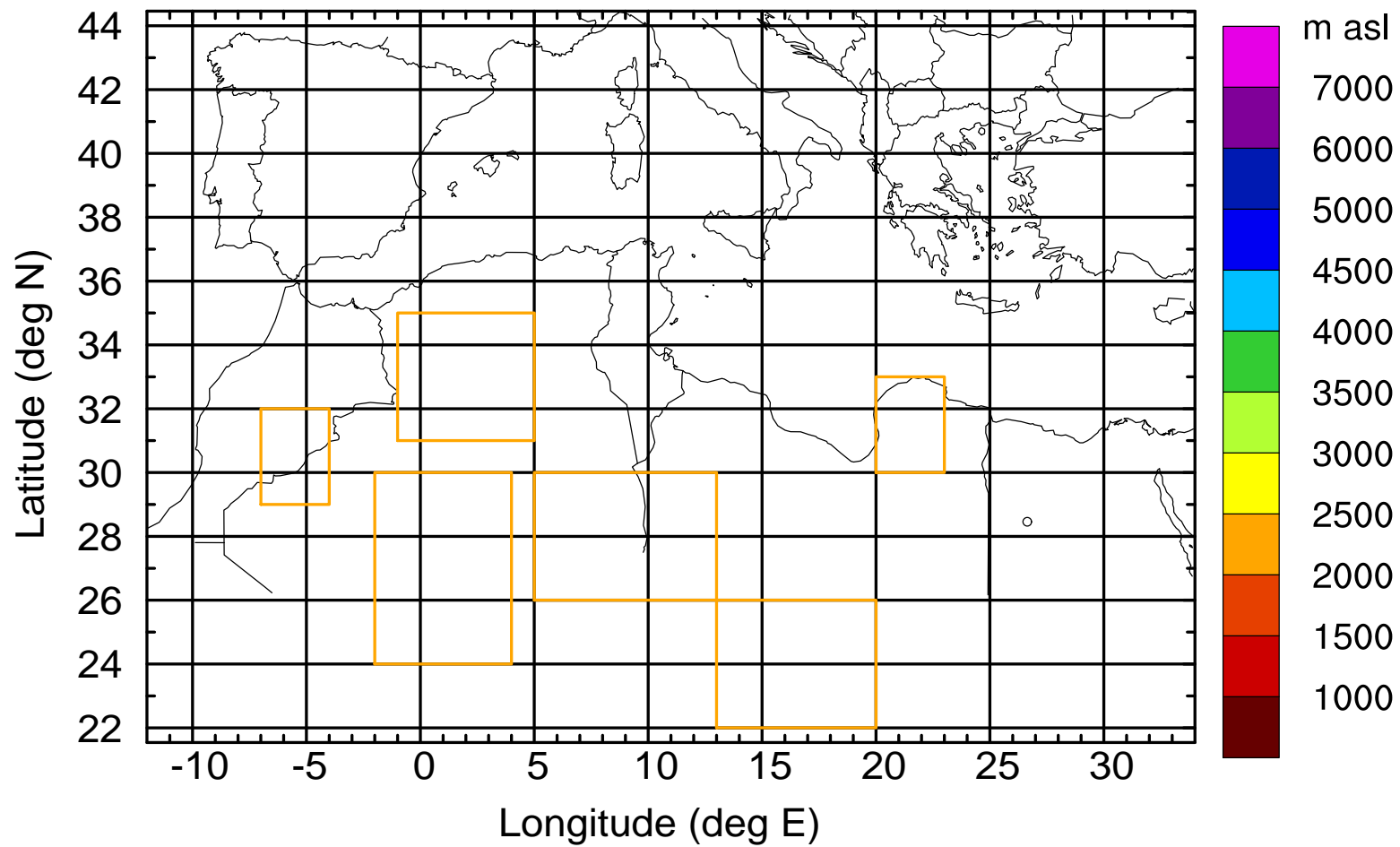
BWD 20170422/21 -52H = 20/17 UTC





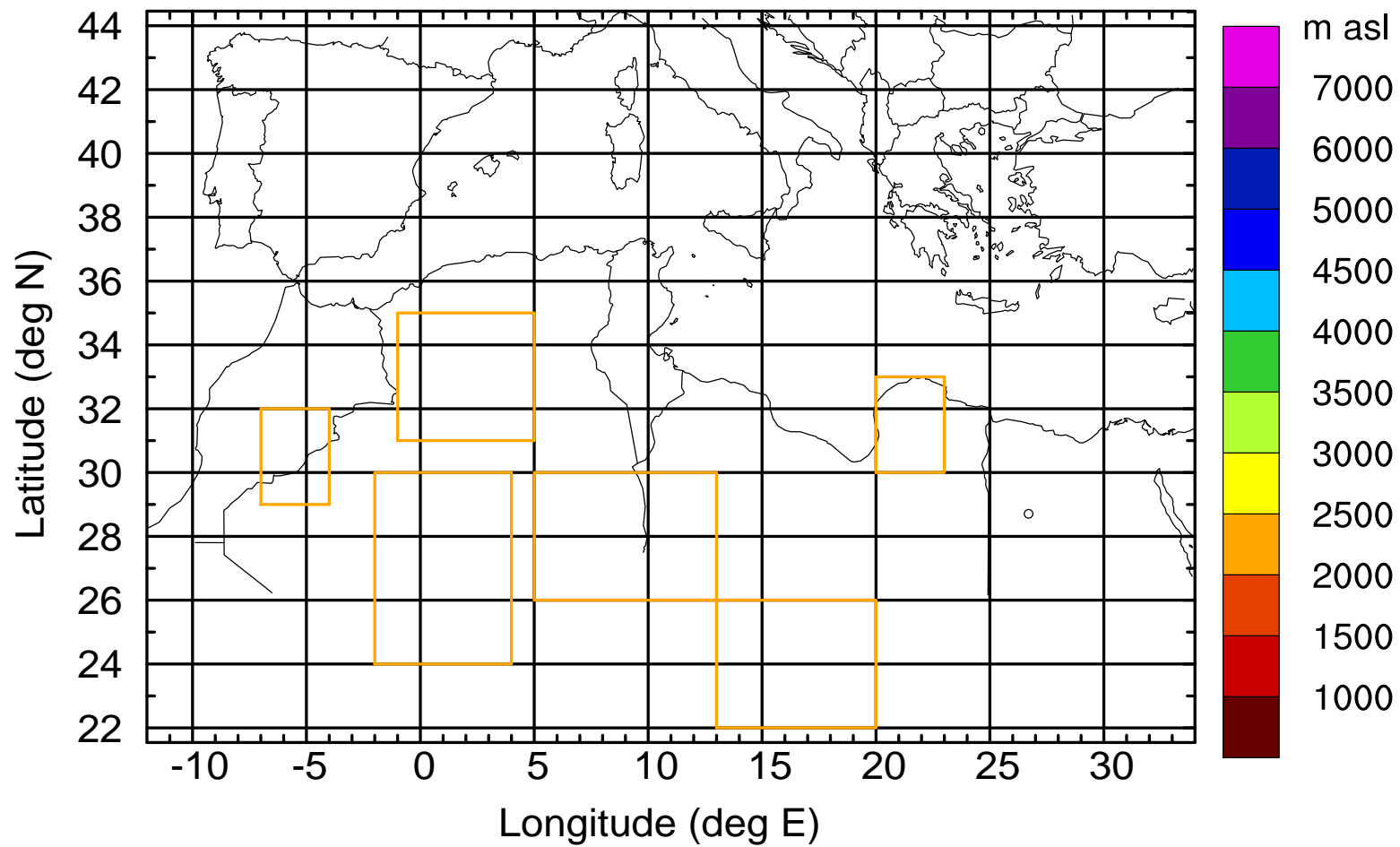
STS ground station 20170422

BWD 20170422/21 -52H = 20/17 UTC



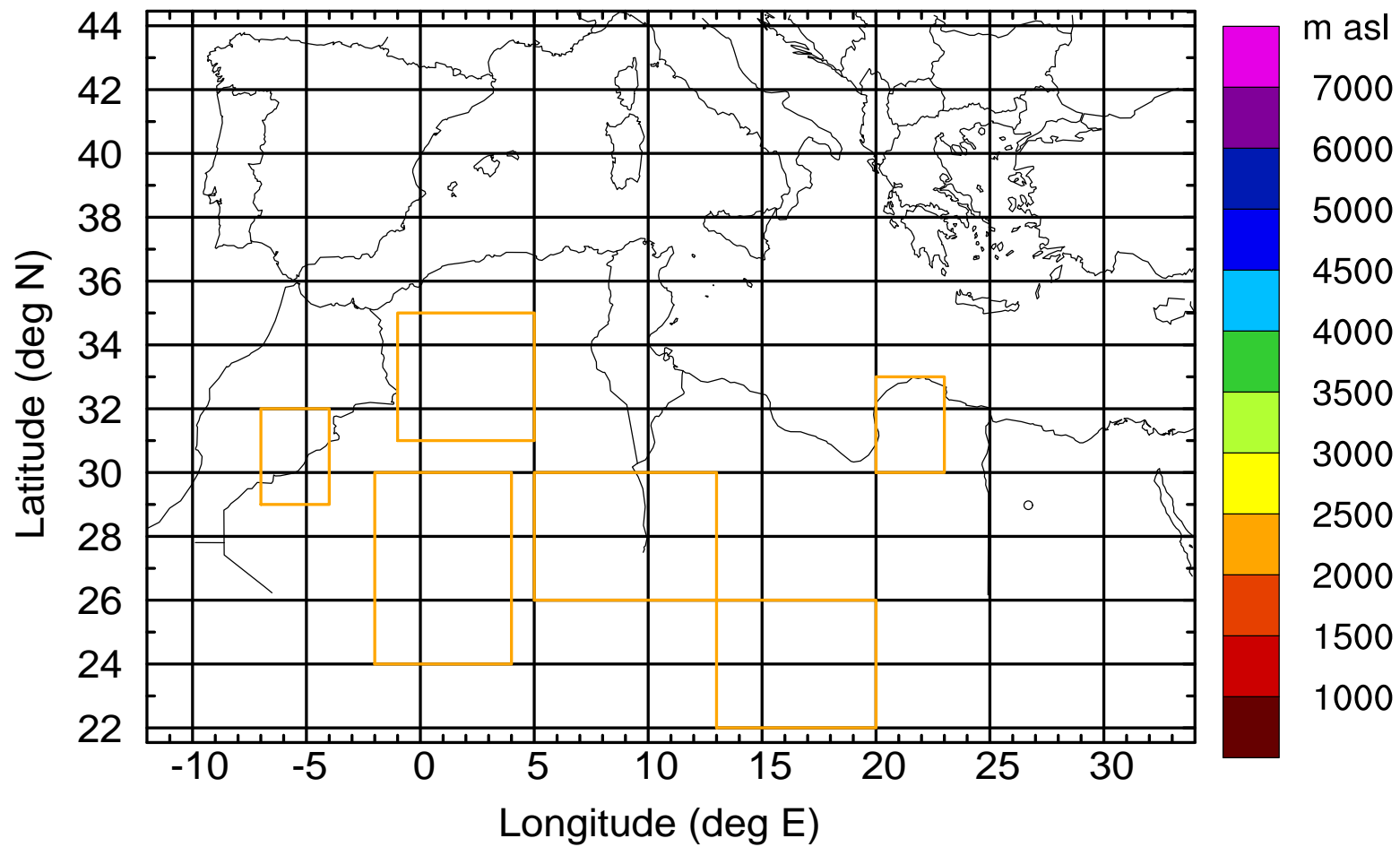
STS ground station 20170422

BWD 20170422/21 -52H = 20/17 UTC



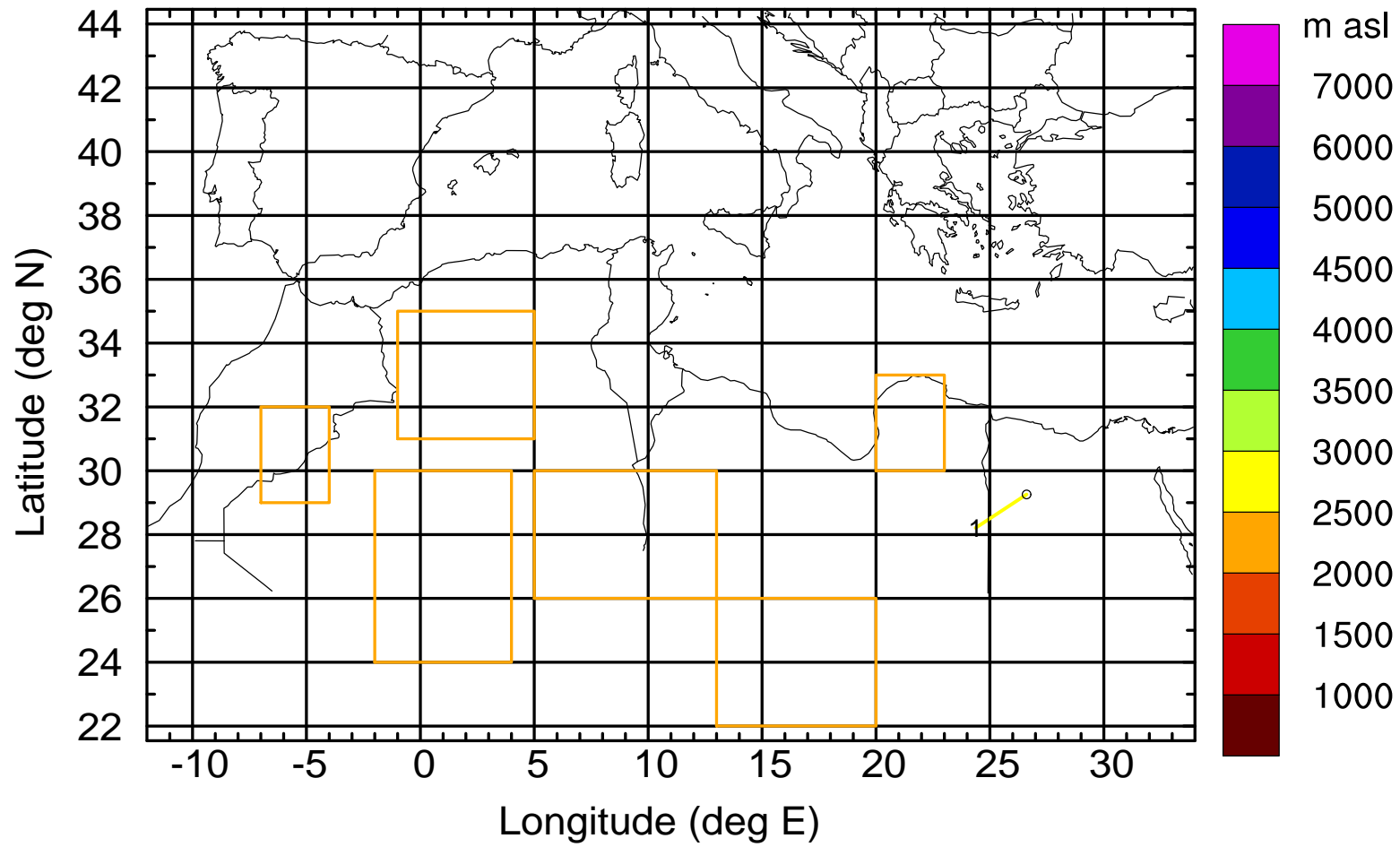
STS ground station 20170422

BWD 20170422/21 -52H = 20/17 UTC



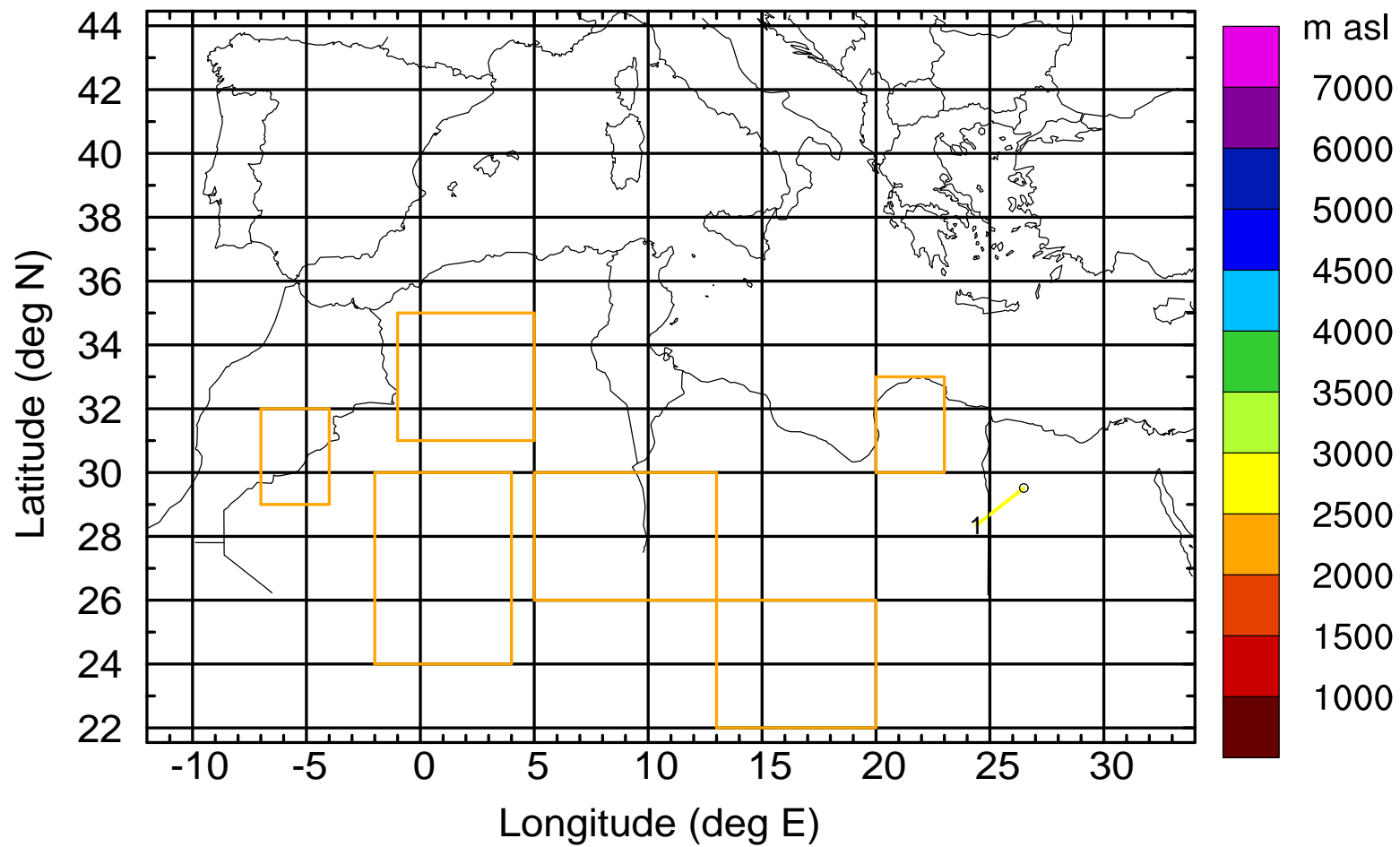
STS ground station 20170422

BWD 20170422/21 -67H = 20/02 UTC



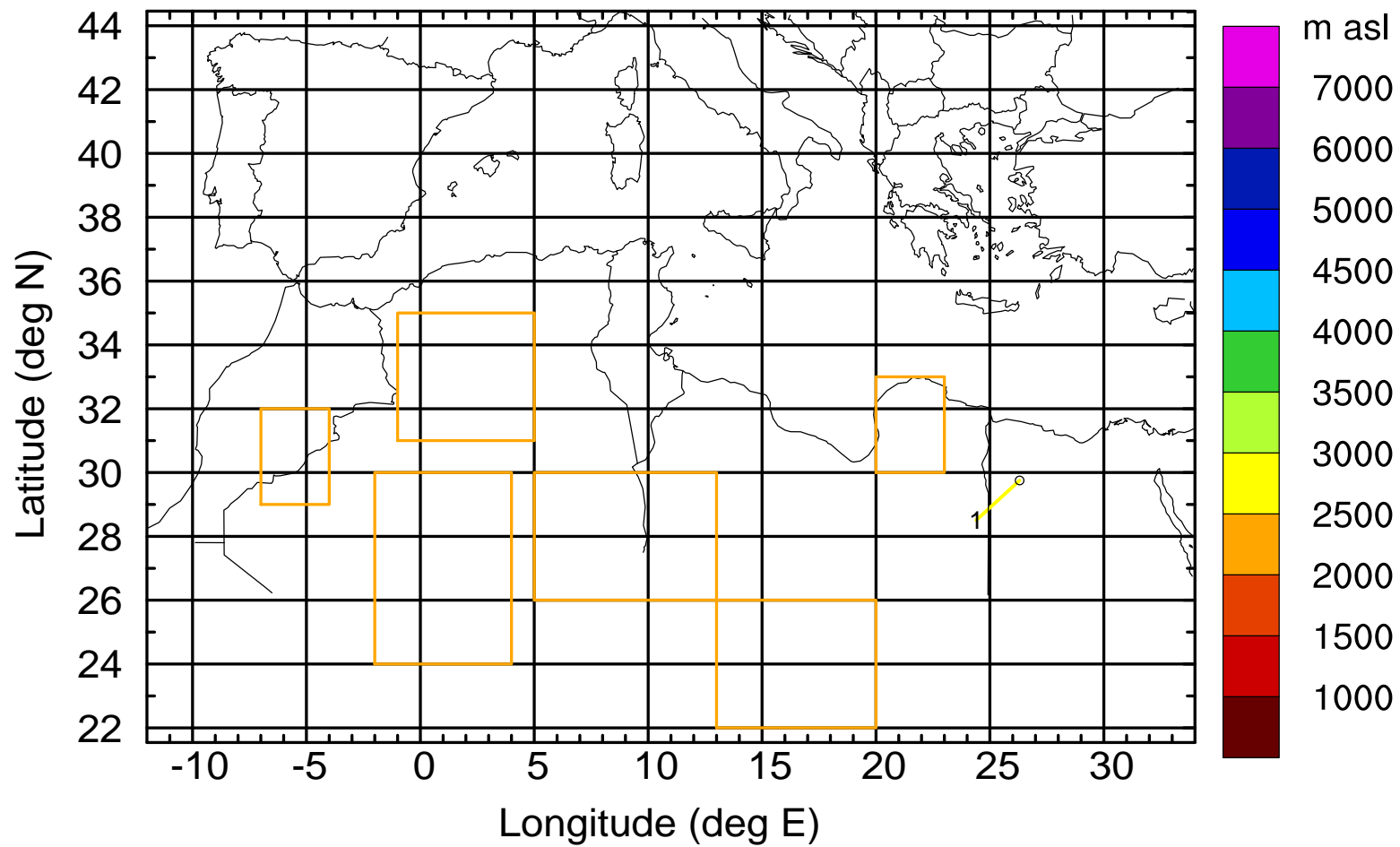
STS ground station 20170422

BWD 20170422/21 -68H = 20/01 UTC



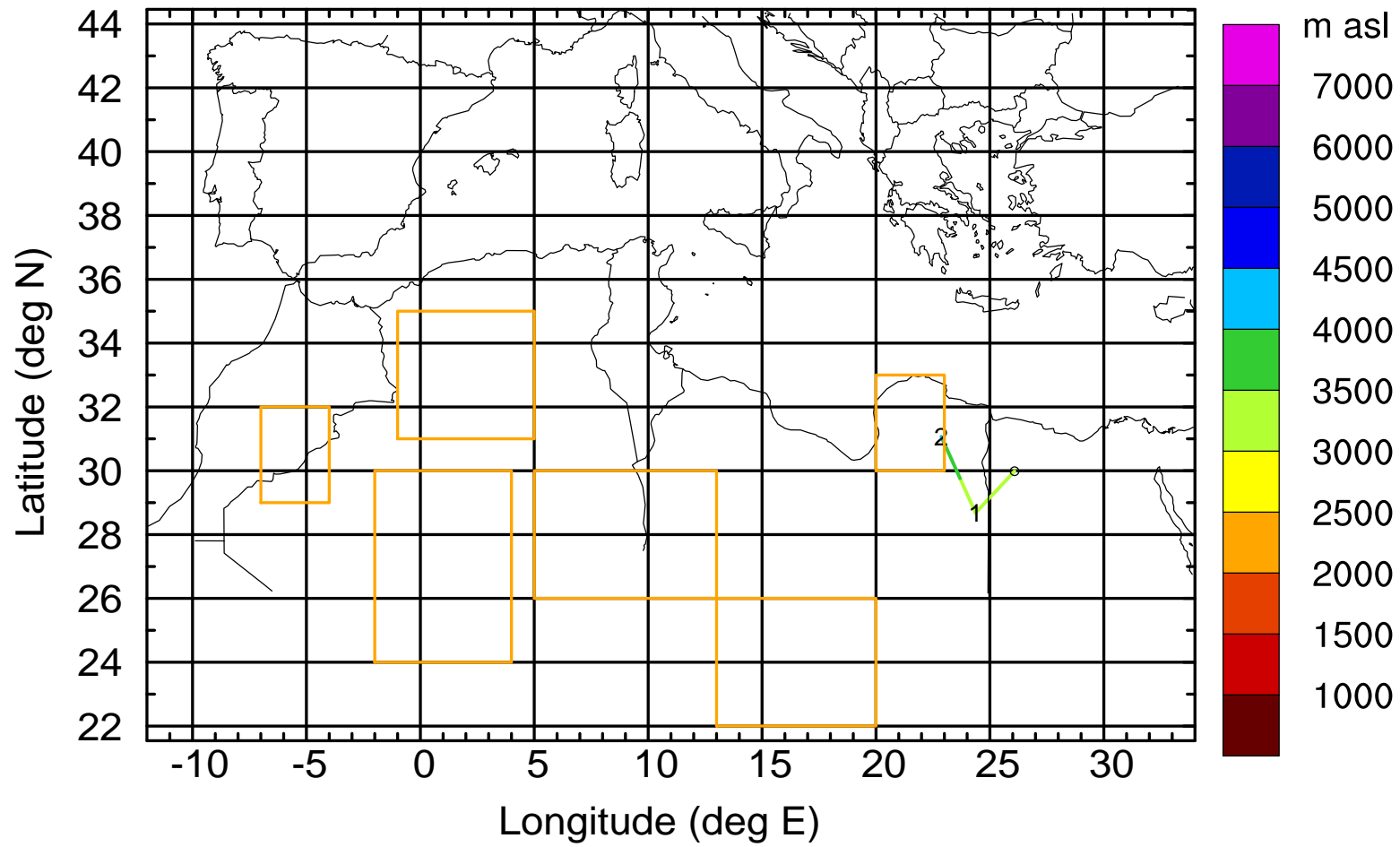
STS ground station 20170422

BWD 20170422/21 -69H = 20/00 UTC



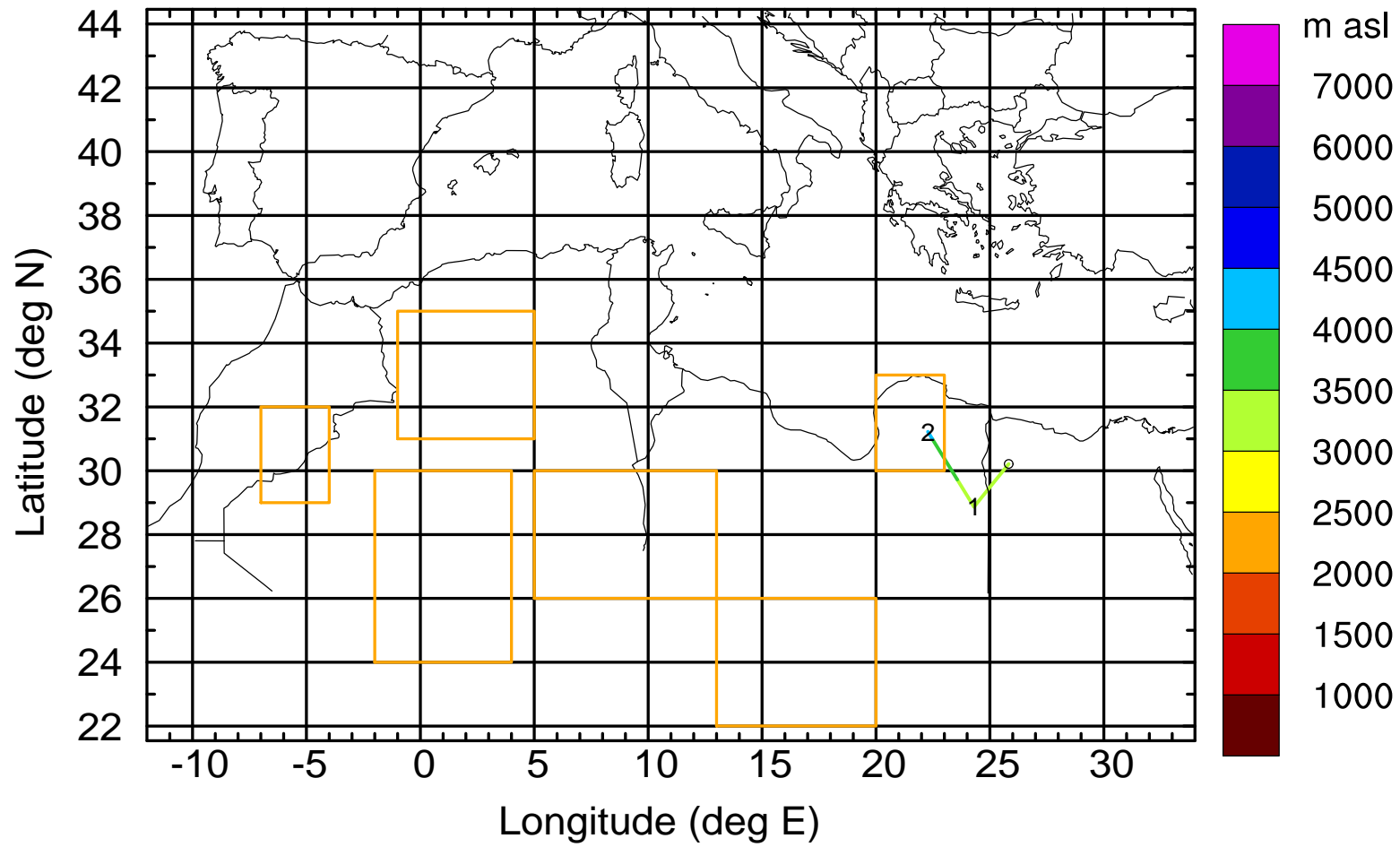
STS ground station 20170422

BWD 20170422/21 -70H = 19/23 UTC



STS ground station 20170422

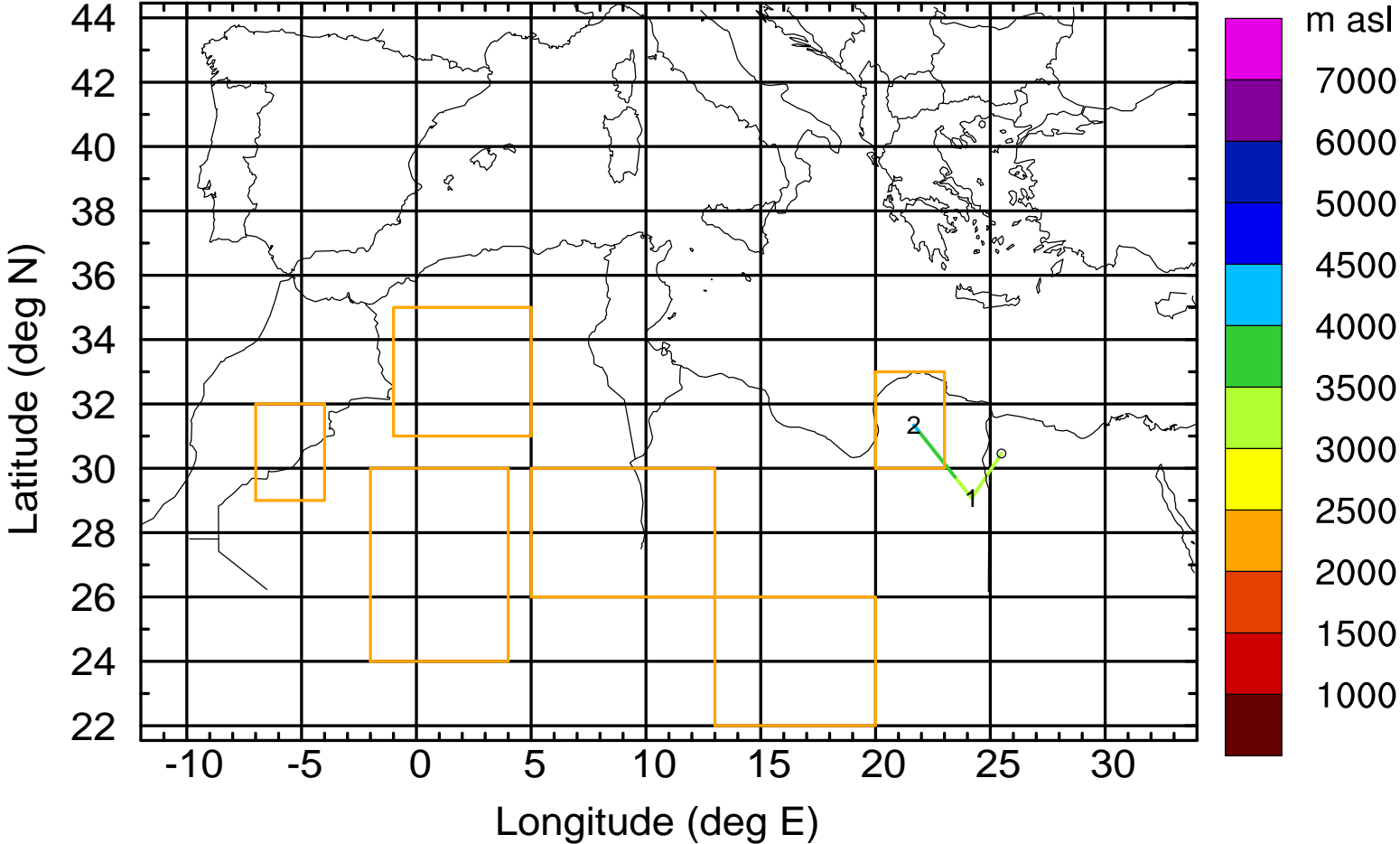
BWD 20170422/21 -71H = 19/22 UTC





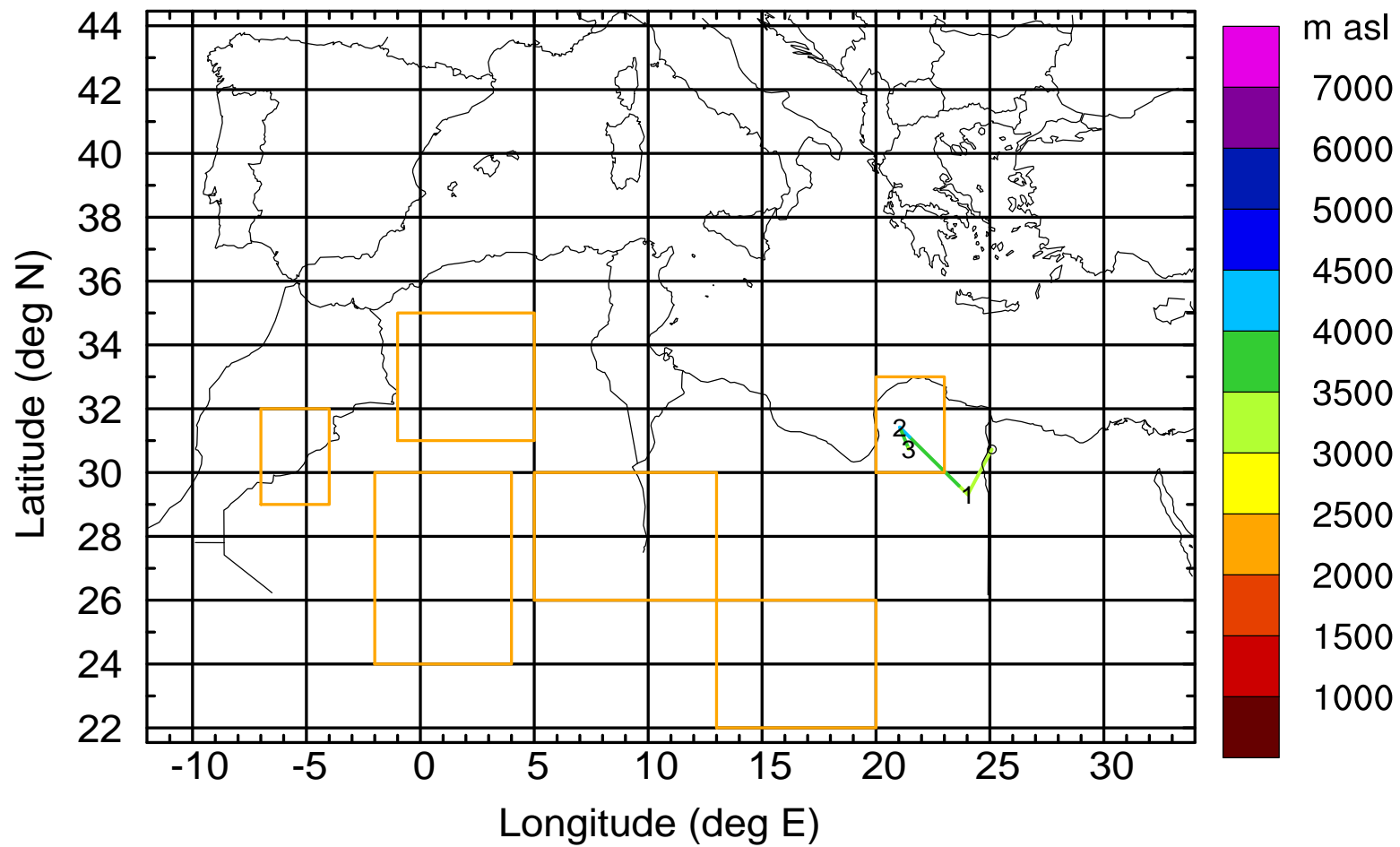
STS ground station 20170422

BWD 20170422/21 -72H = 19/21 UTC



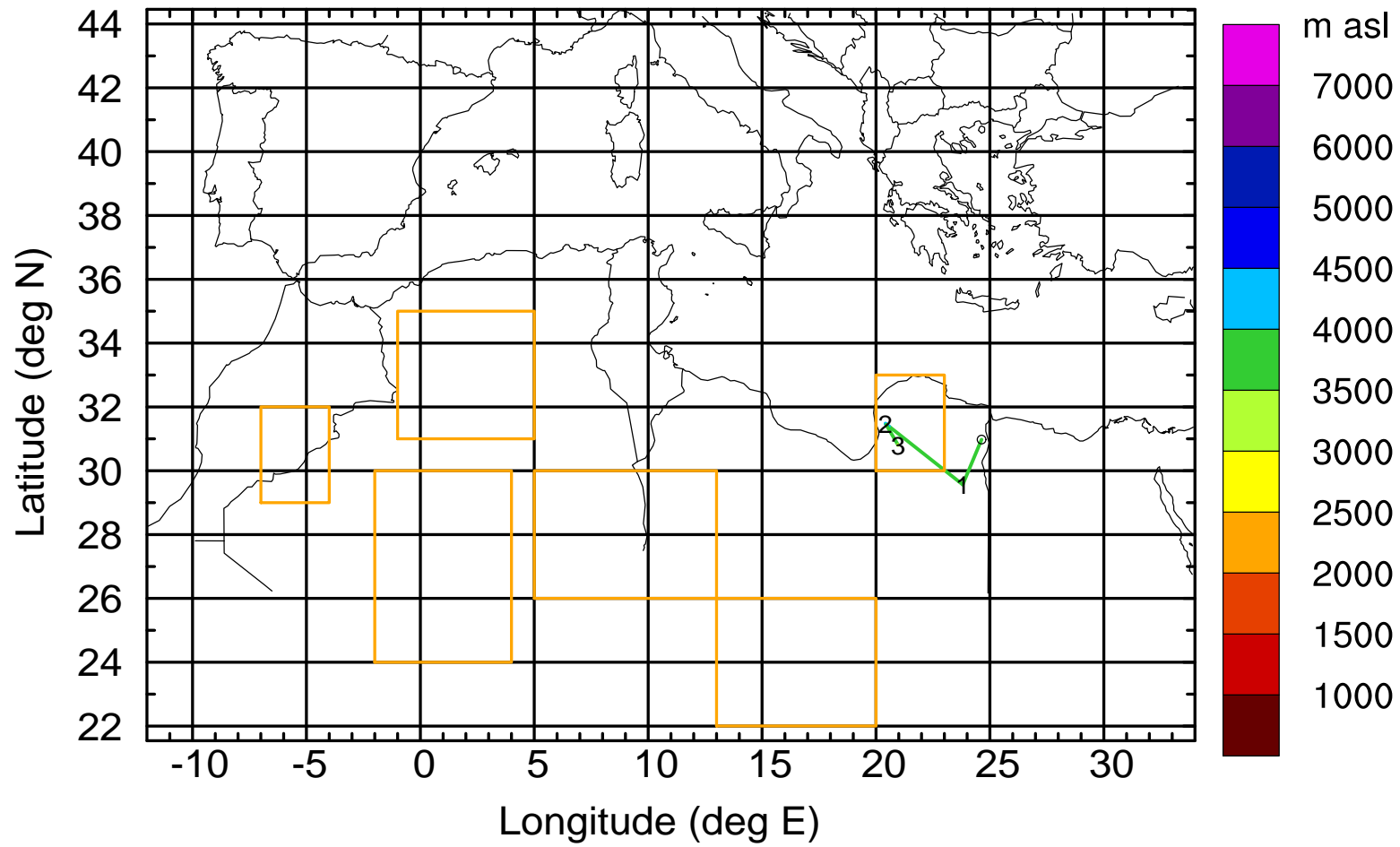
STS ground station 20170422

BWD 20170422/21 -73H = 19/20 UTC



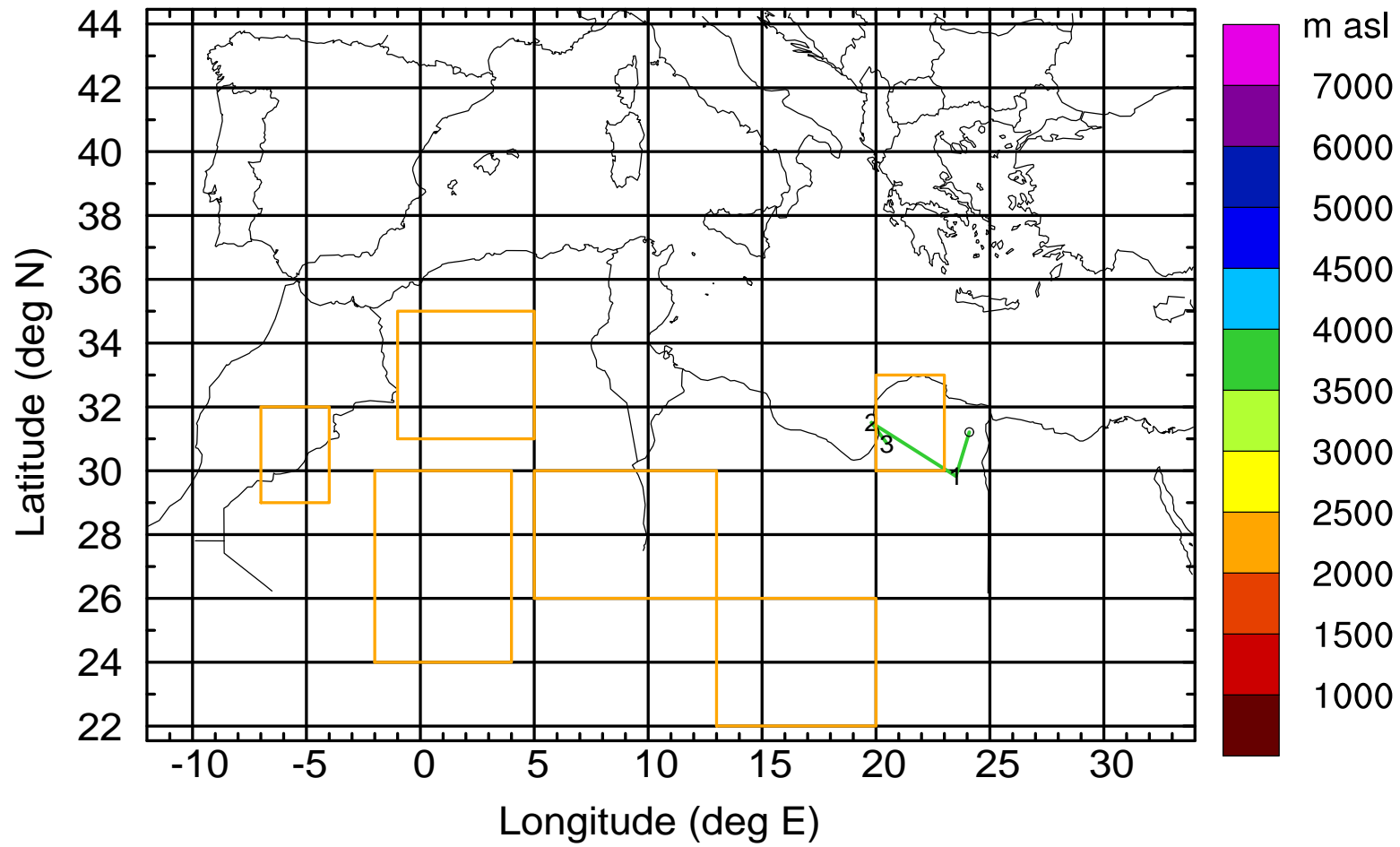
STS ground station 20170422

BWD 20170422/21 -74H = 19/19 UTC



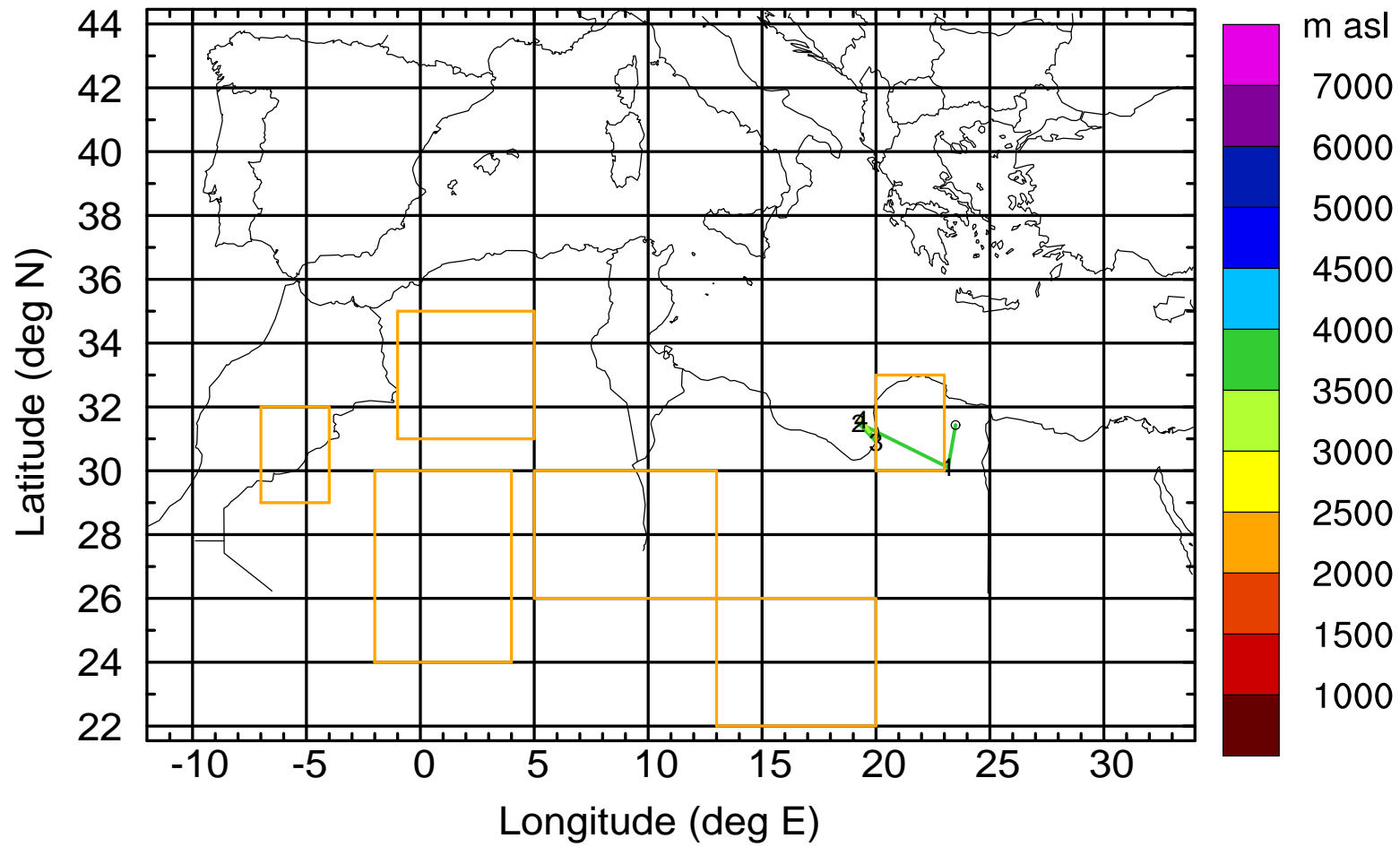
STS ground station 20170422

BWD 20170422/21 -75H = 19/18 UTC



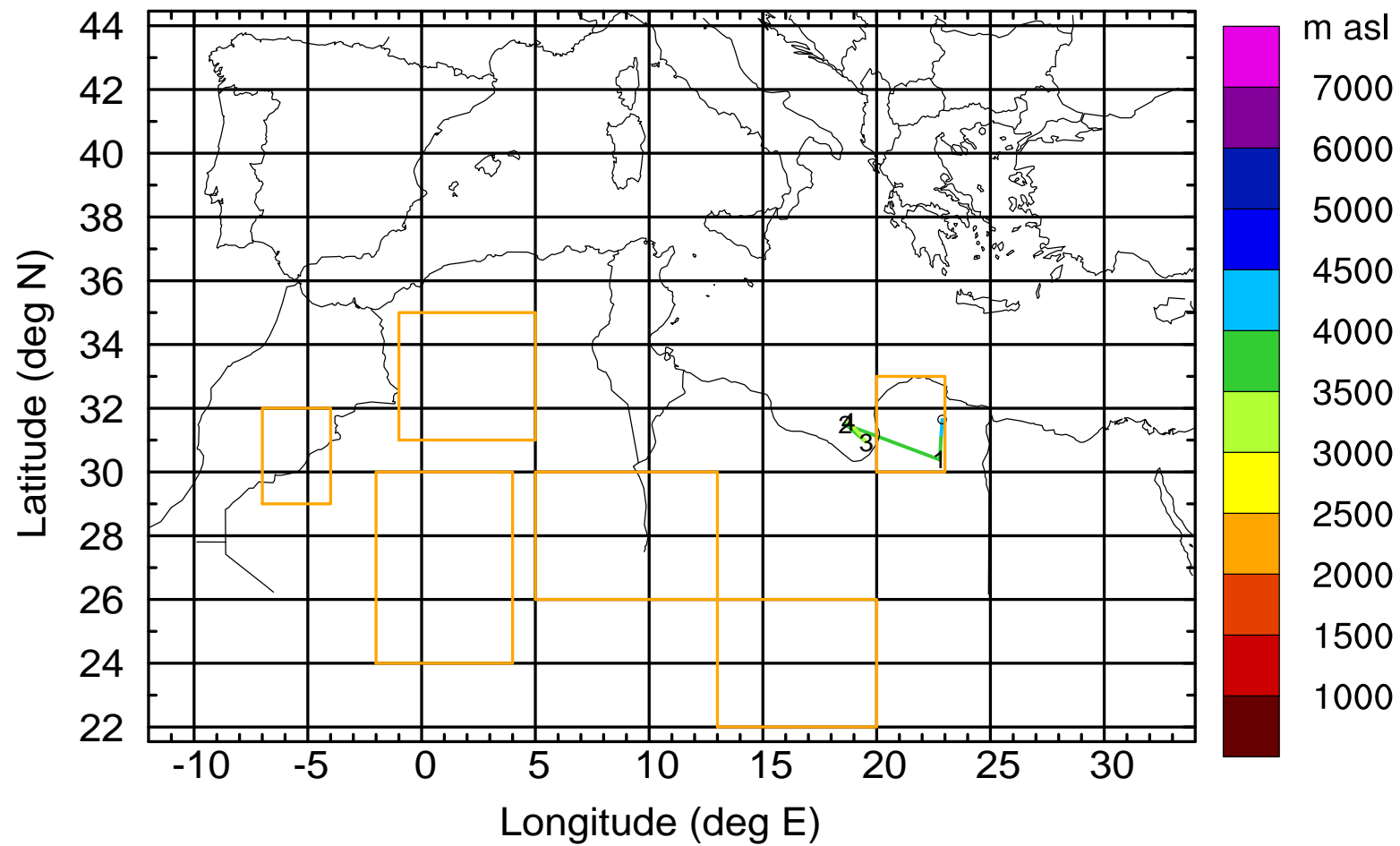
STS ground station 20170422

BWD 20170422/21 -76H = 19/17 UTC



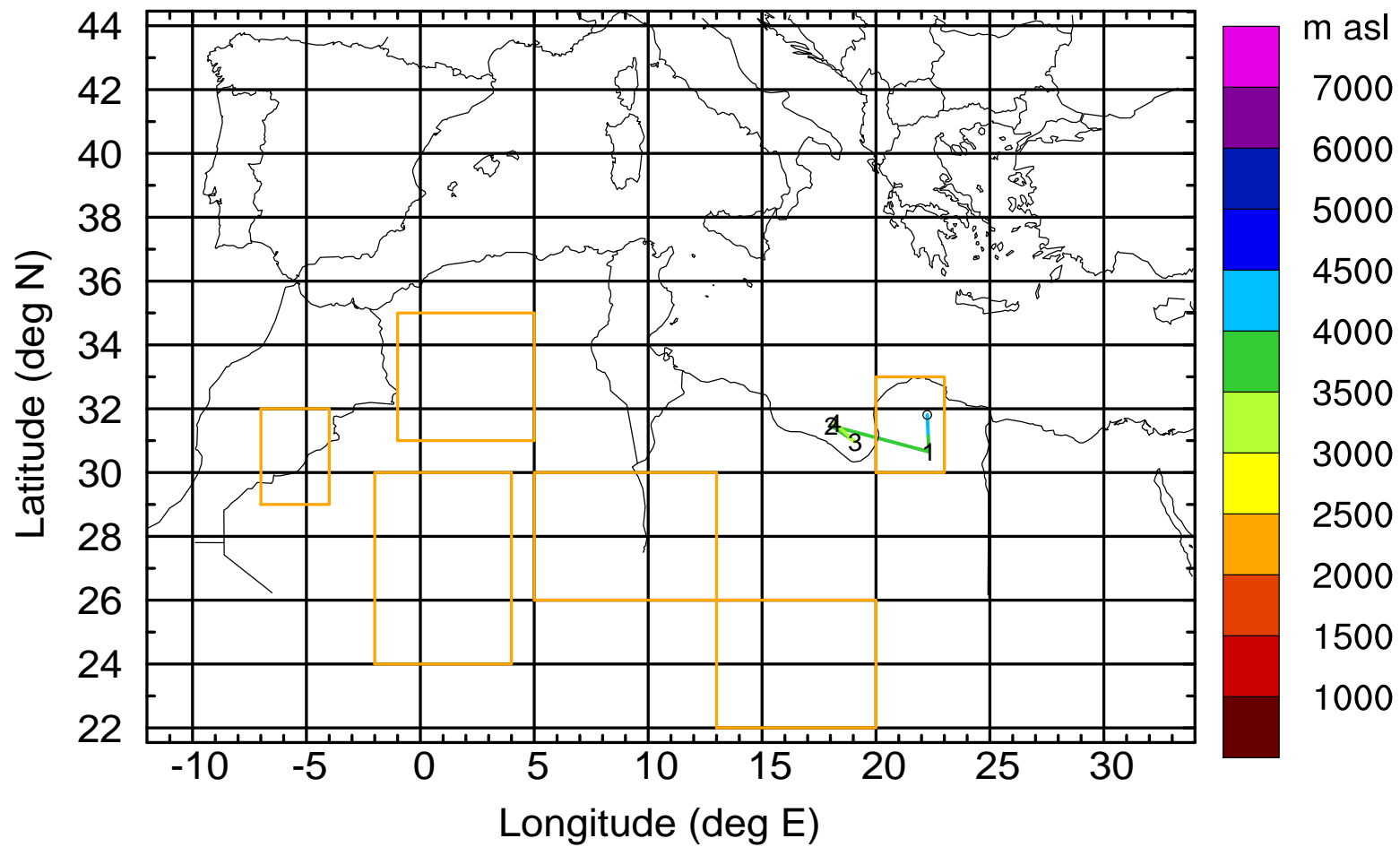
STS ground station 20170422

BWD 20170422/21 -77H = 19/16 UTC



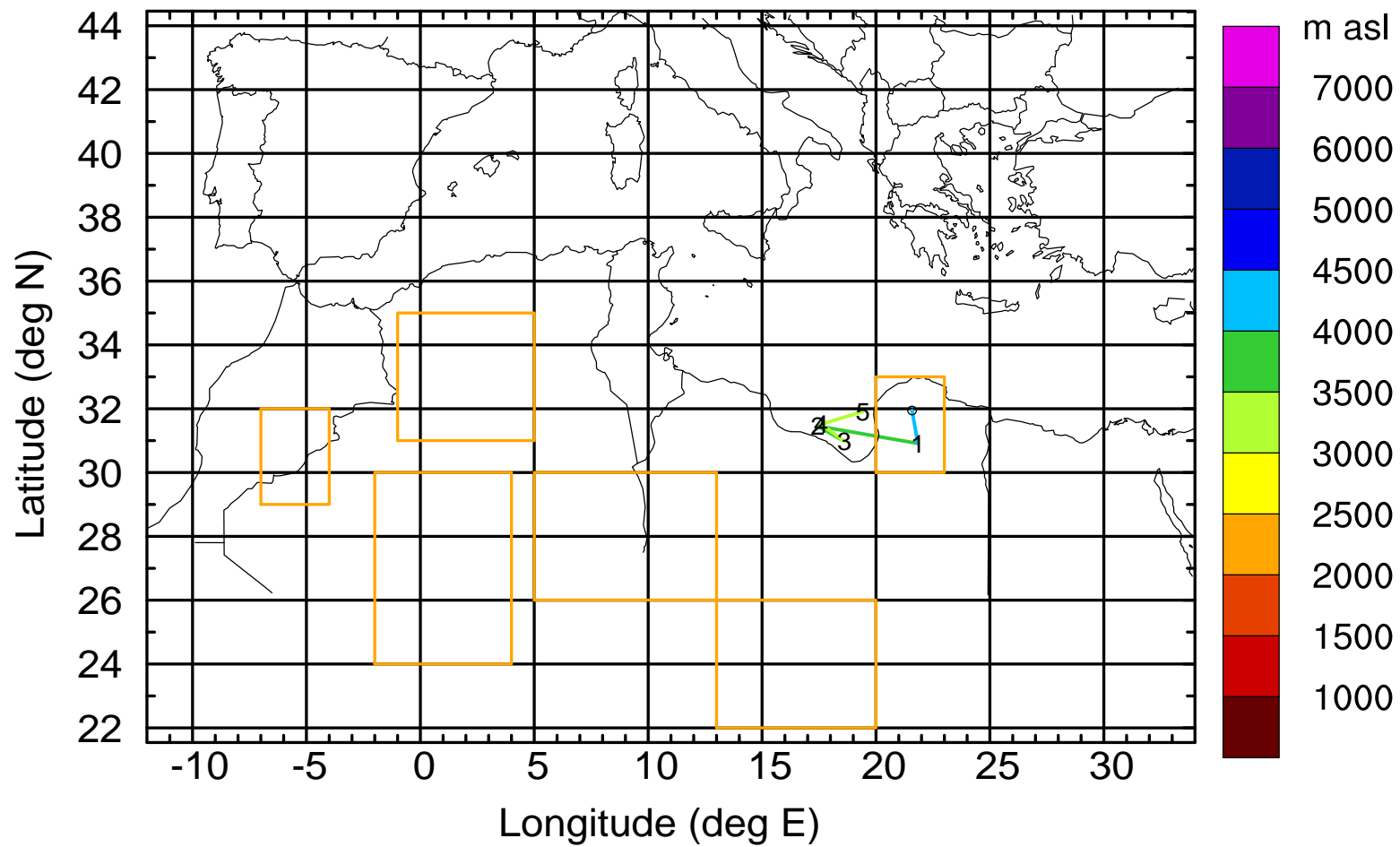
STS ground station 20170422

BWD 20170422/21 -78H = 19/15 UTC



STS ground station 20170422

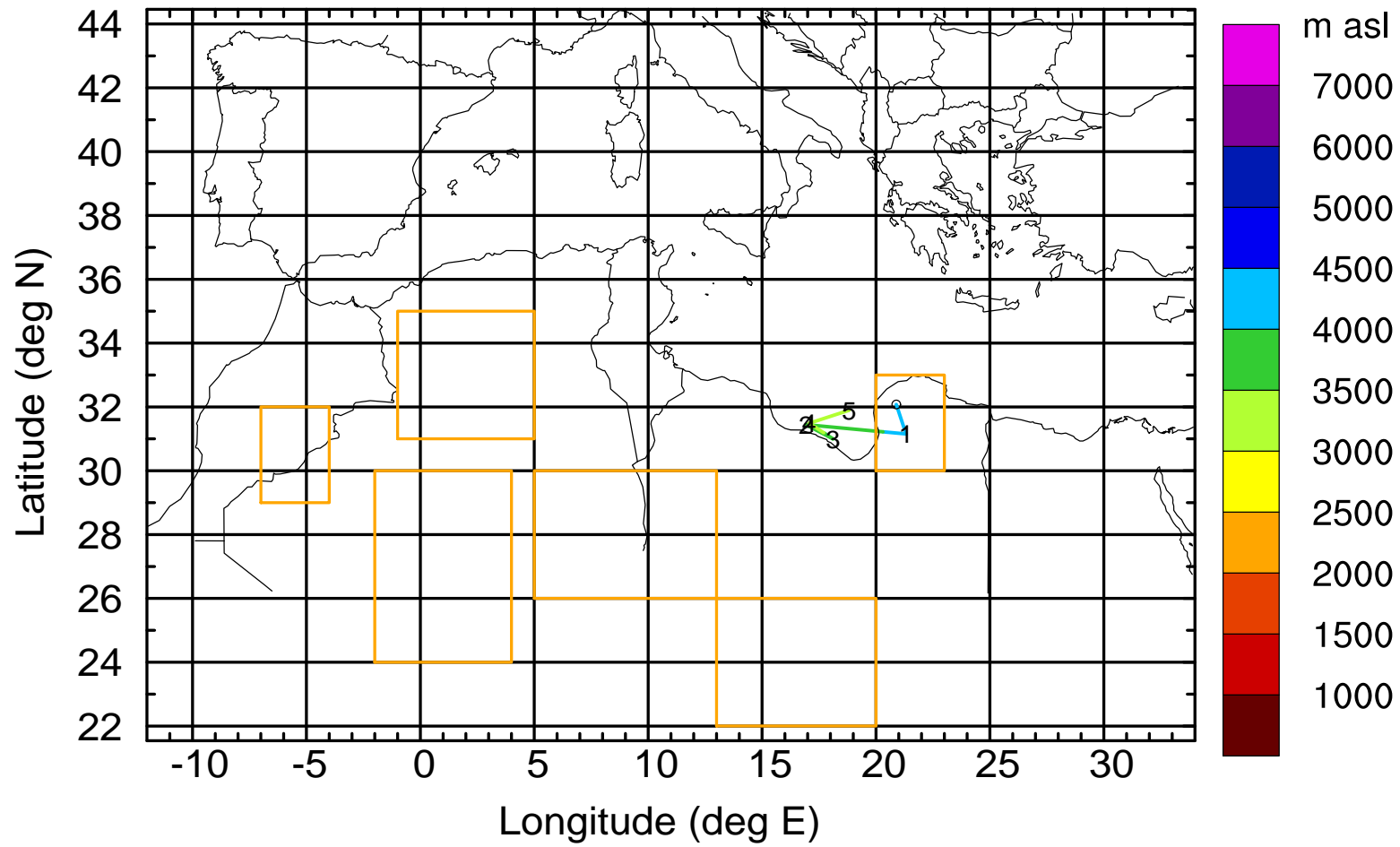
BWD 20170422/21 -79H = 19/14 UTC





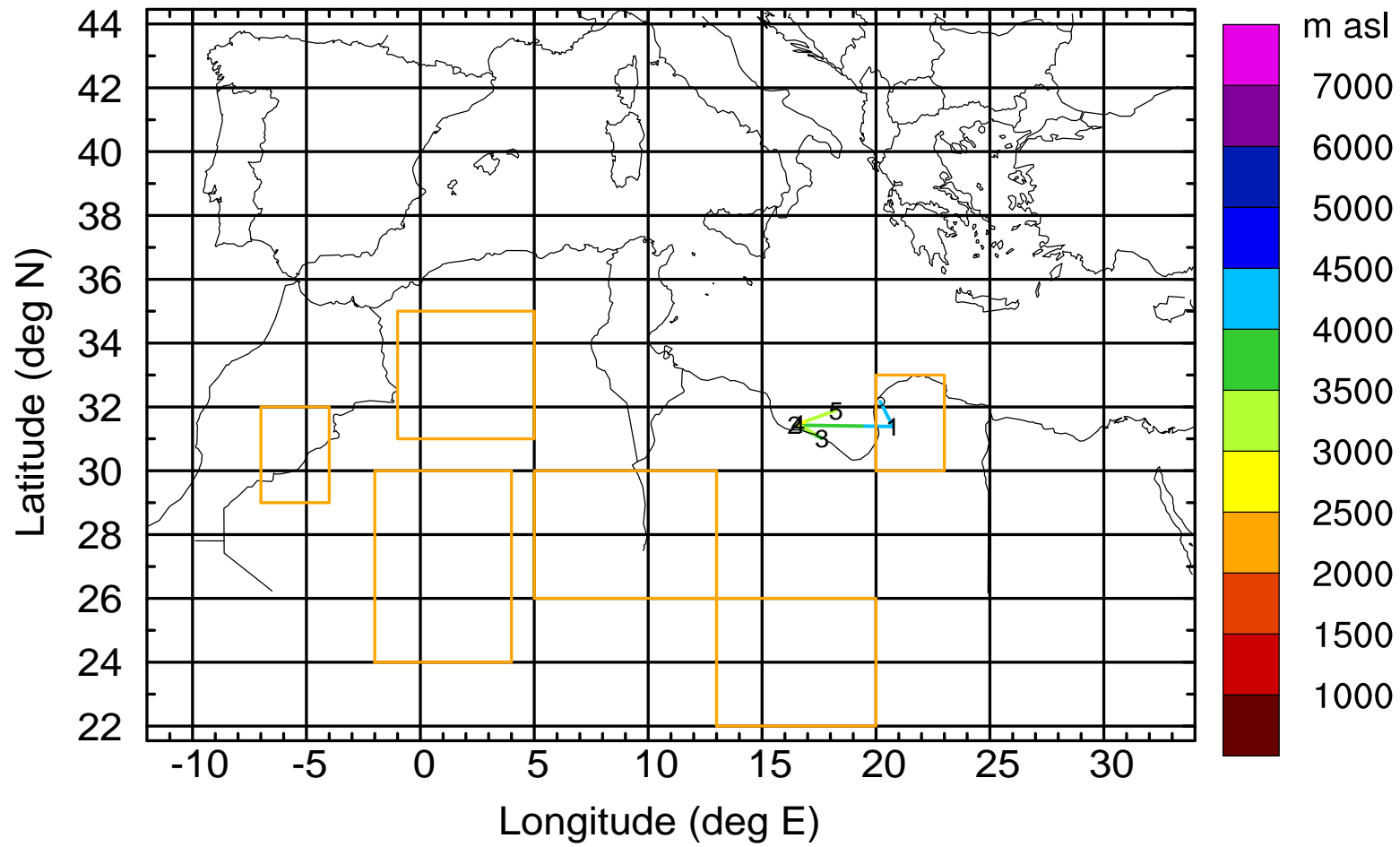
STS ground station 20170422

BWD 20170422/21 -80H = 19/13 UTC



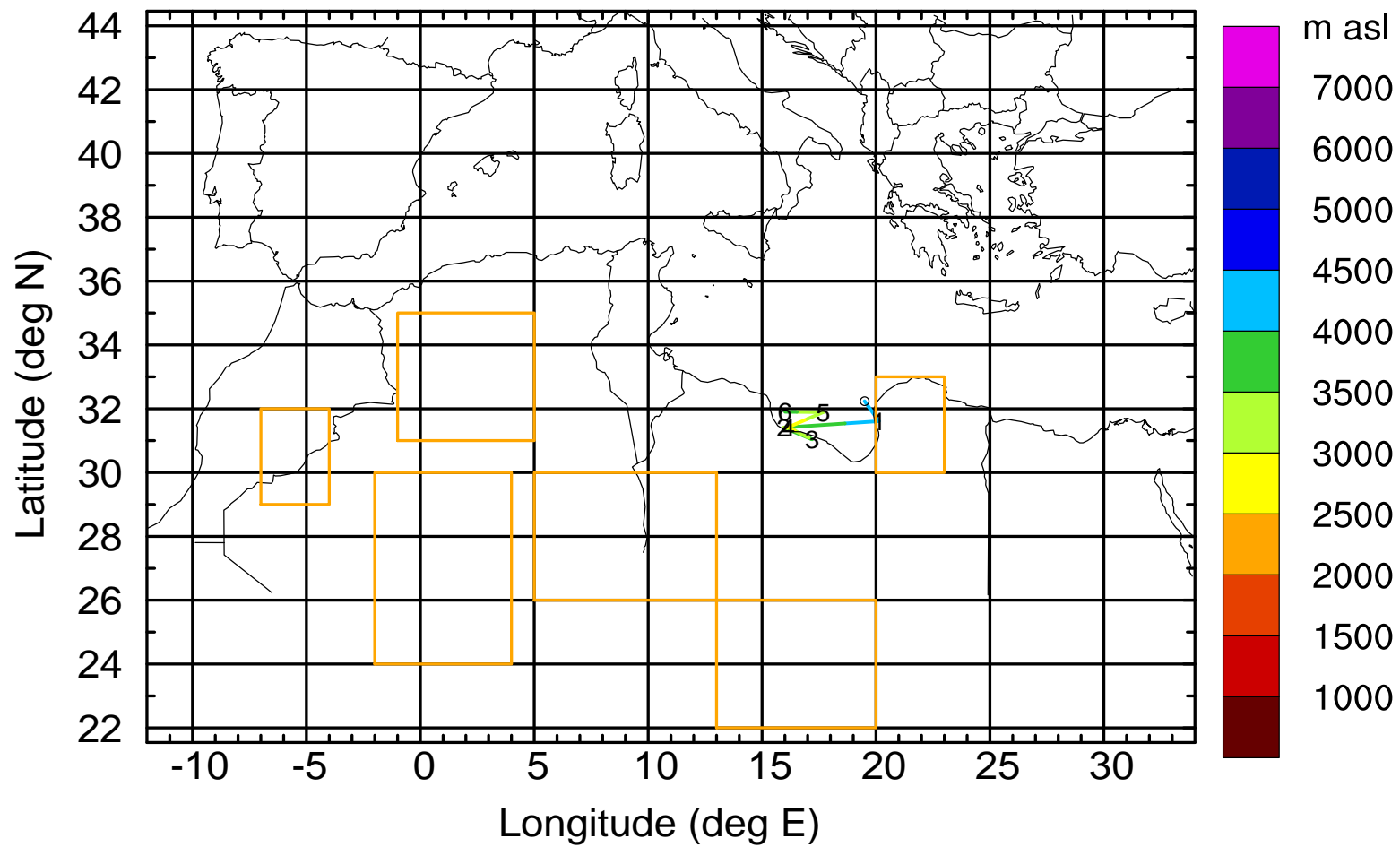
STS ground station 20170422

BWD 20170422/21 -81H = 19/12 UTC



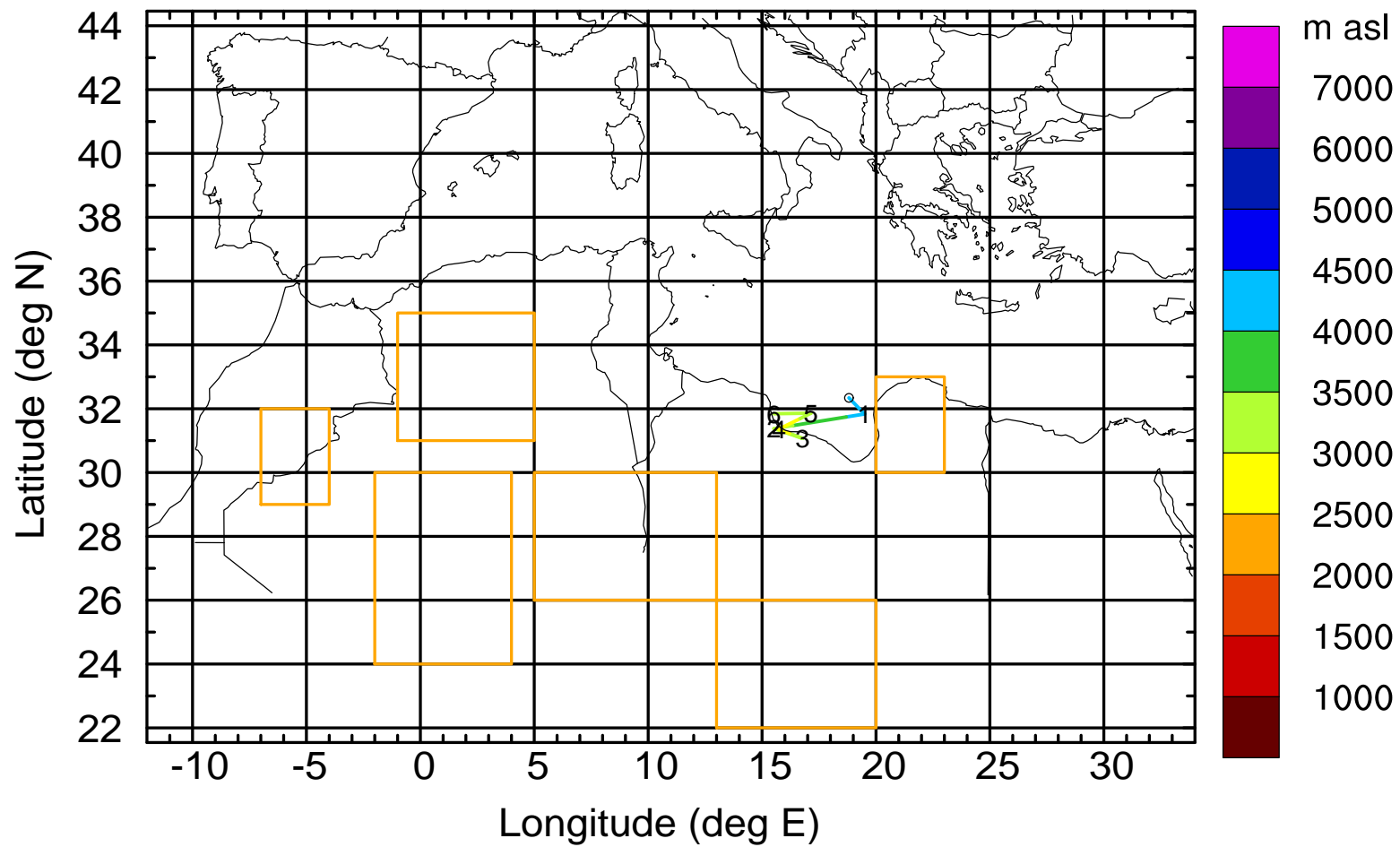
STS ground station 20170422

BWD 20170422/21 -82H = 19/11 UTC



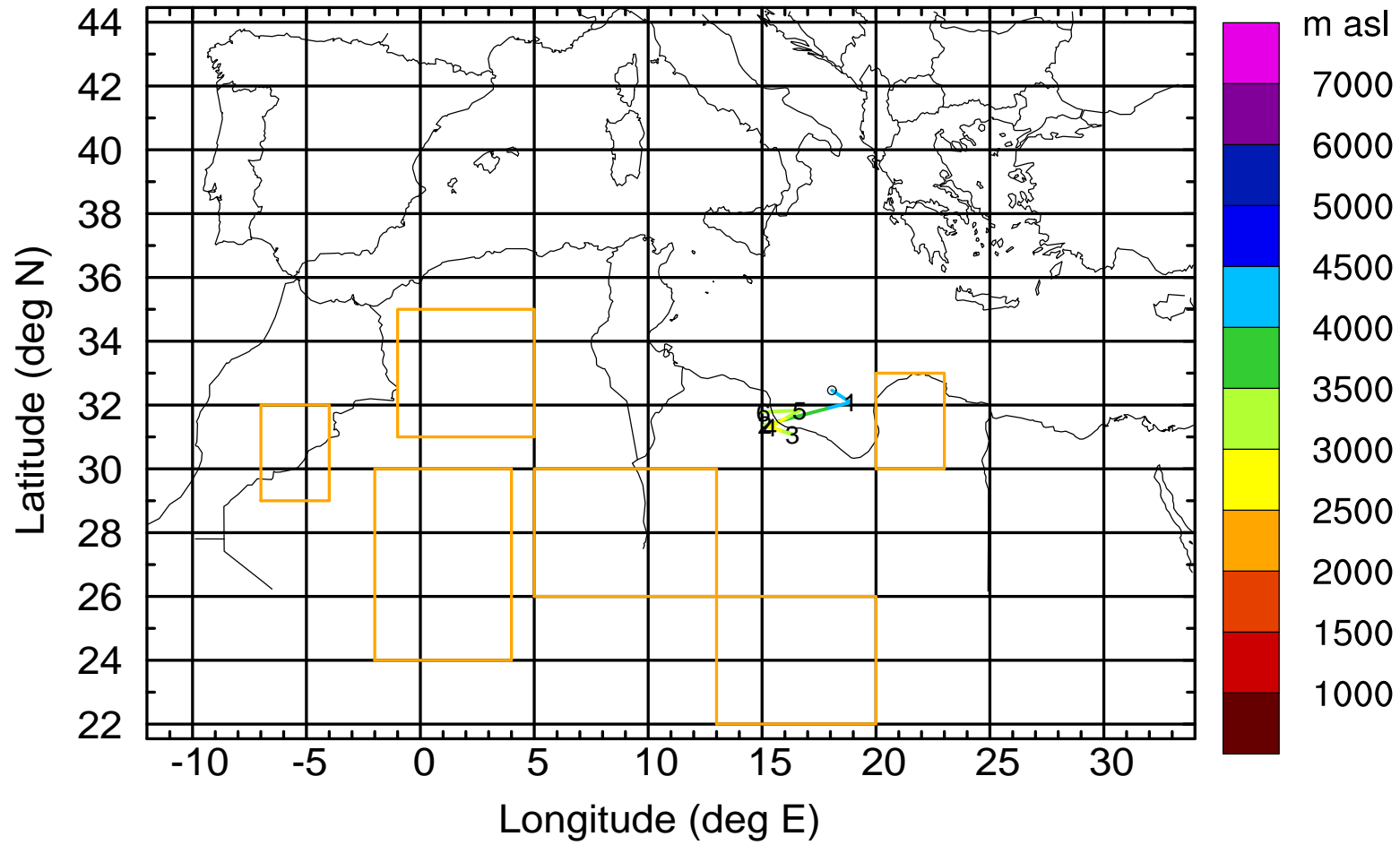
STS ground station 20170422

BWD 20170422/21 -83H = 19/10 UTC



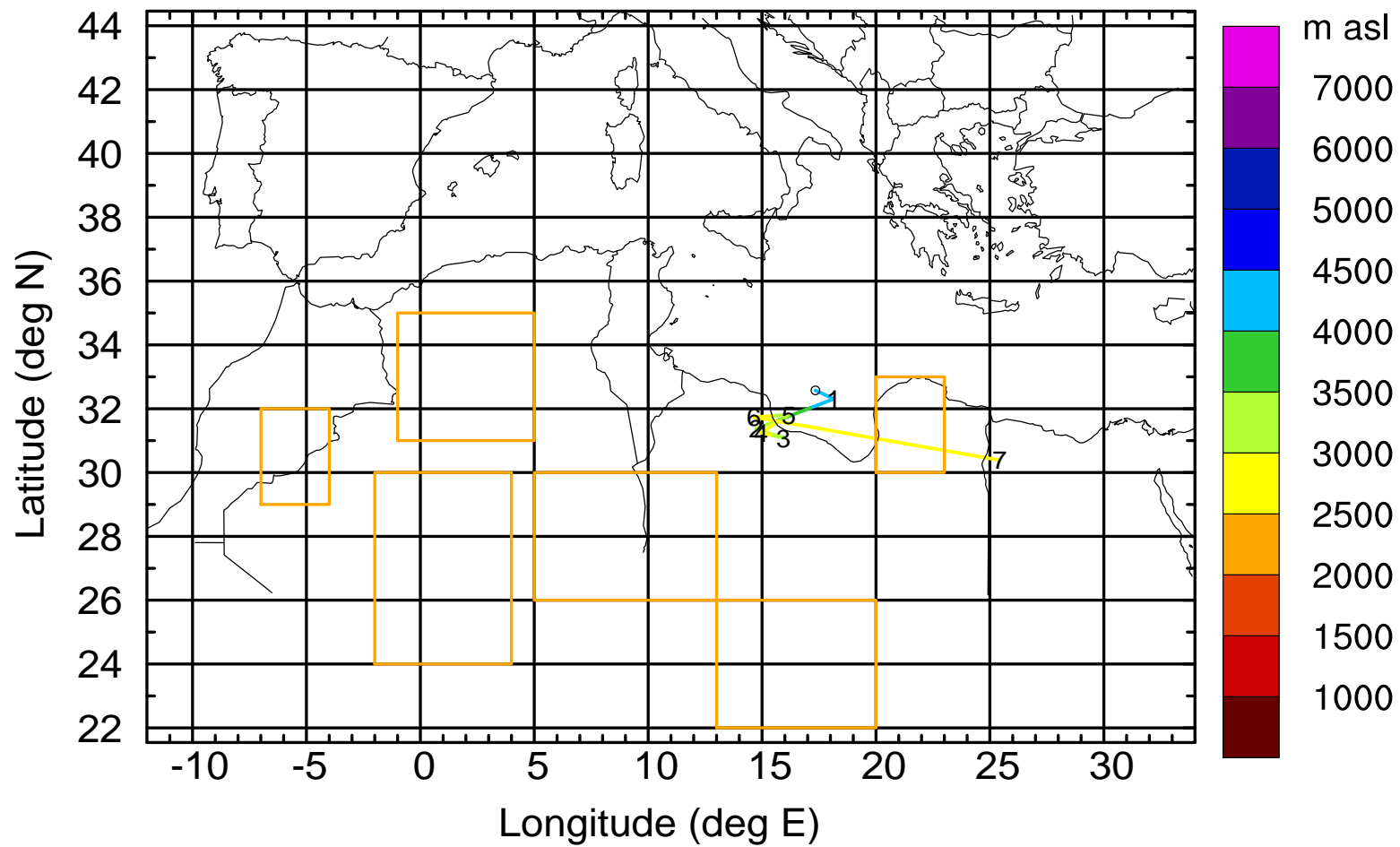
STS ground station 20170422

BWD 20170422/21 -84H = 19/09 UTC



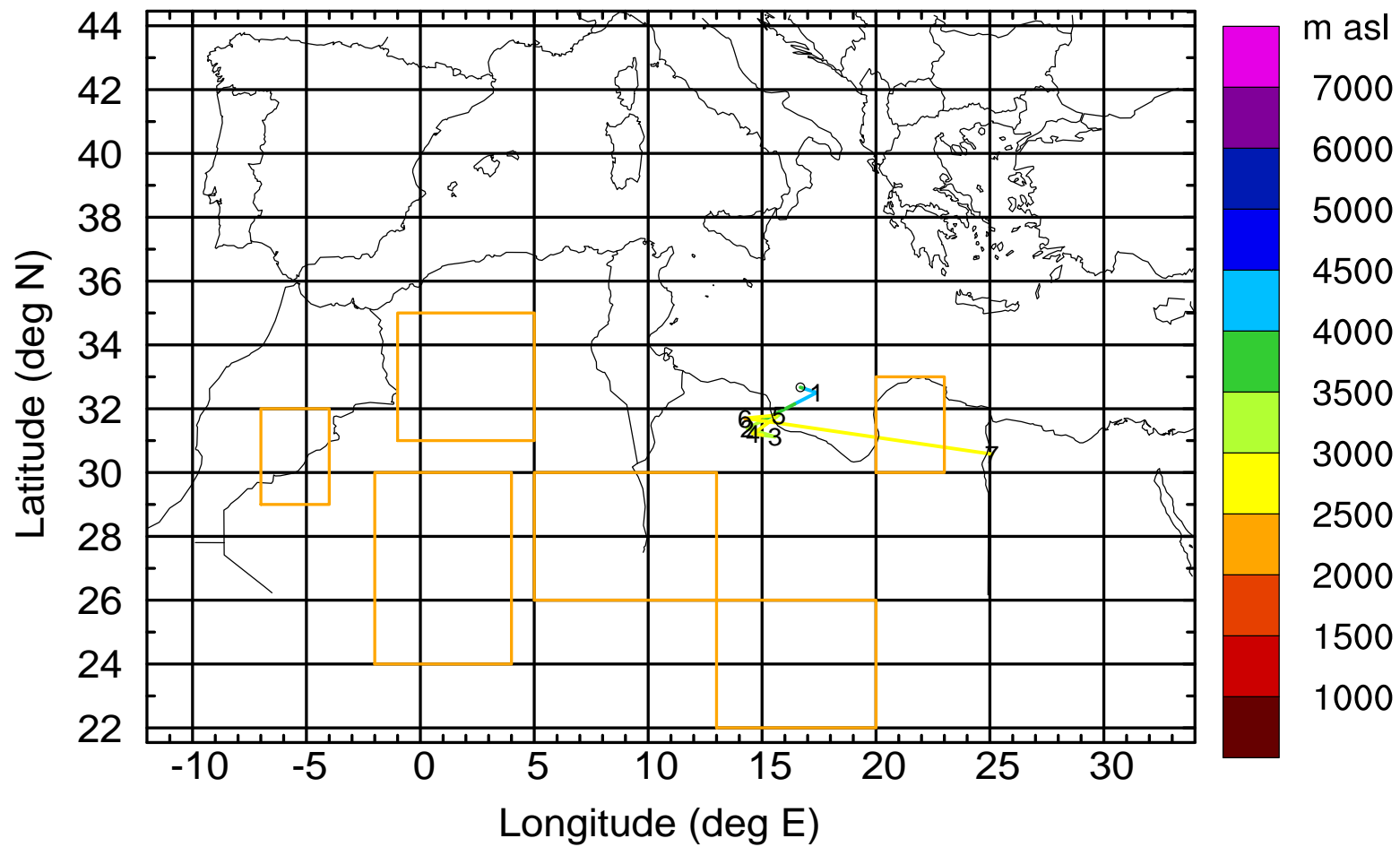
STS ground station 20170422

BWD 20170422/21 -85H = 19/08 UTC



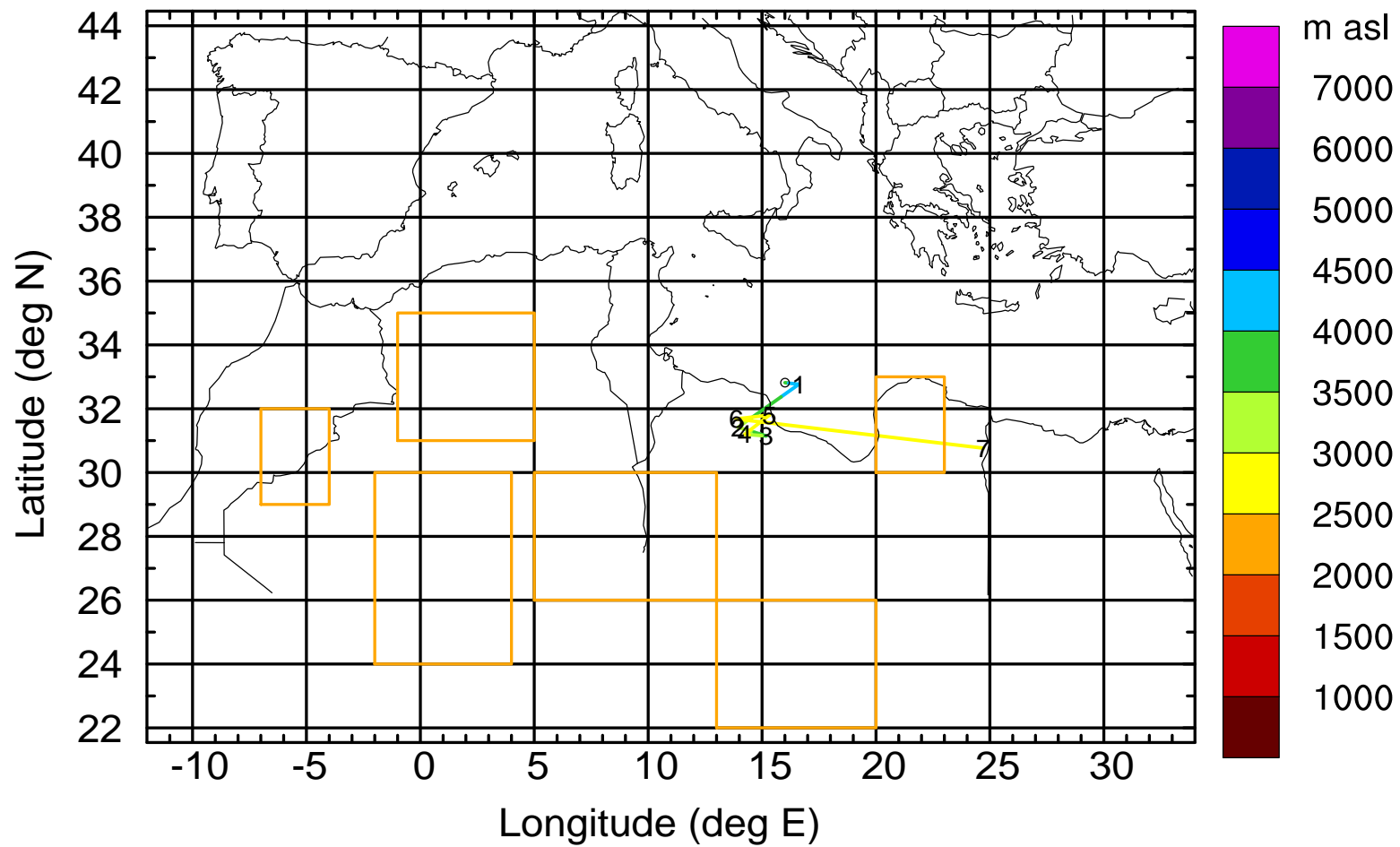
STS ground station 20170422

BWD 20170422/21 -86H = 19/07 UTC



STS ground station 20170422

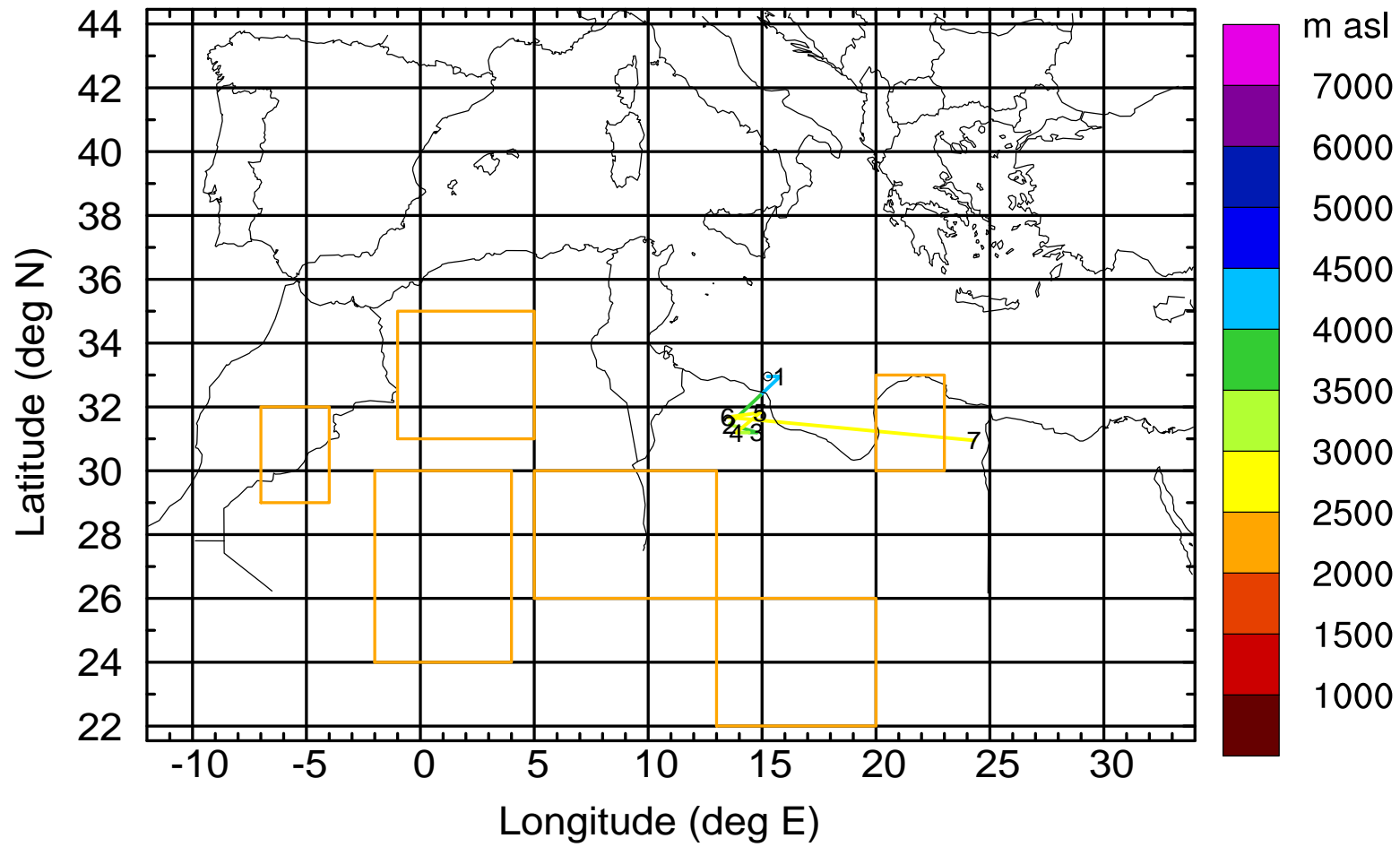
BWD 20170422/21 -87H = 19/06 UTC





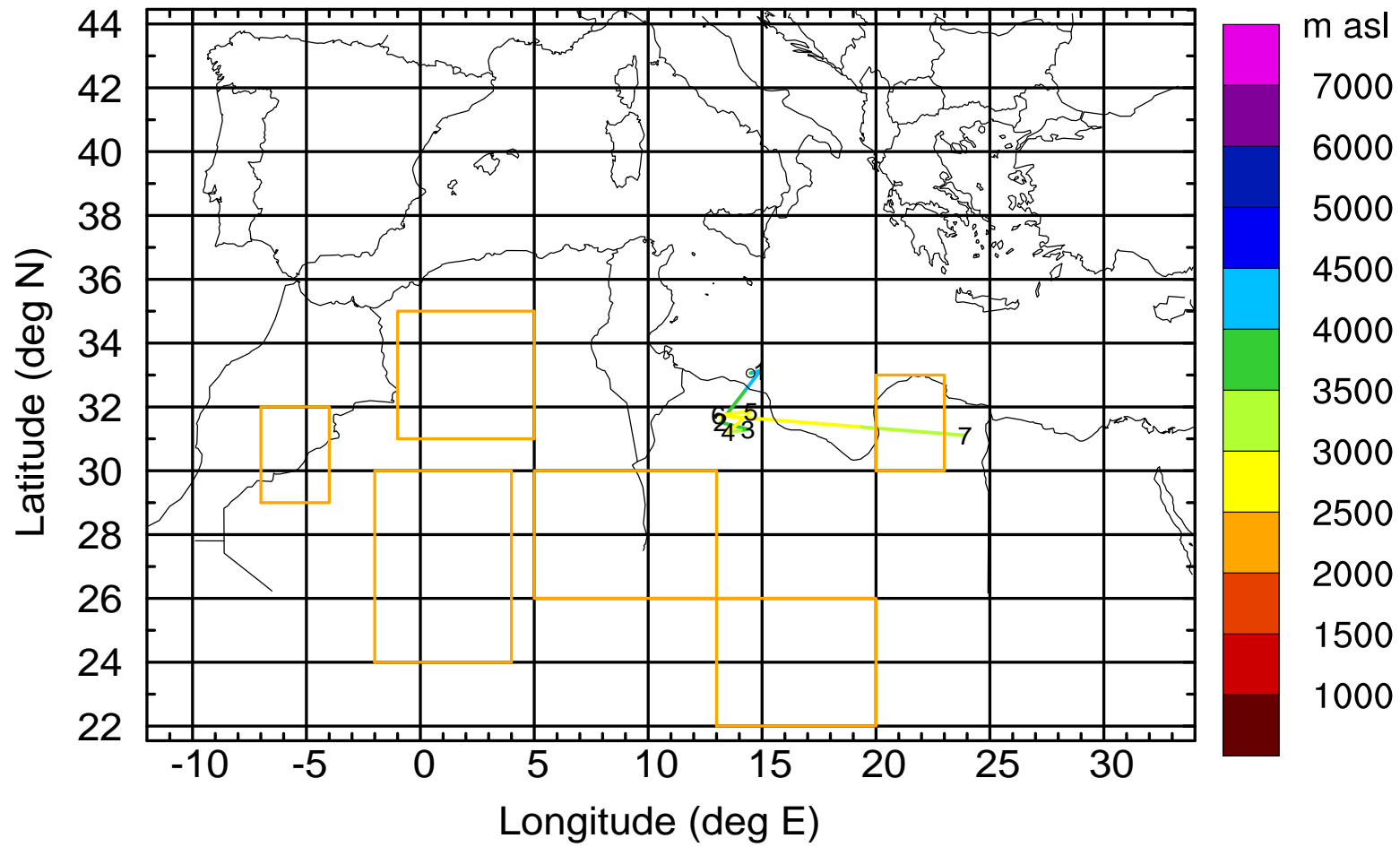
STS ground station 20170422

BWD 20170422/21 -88H = 19/05 UTC



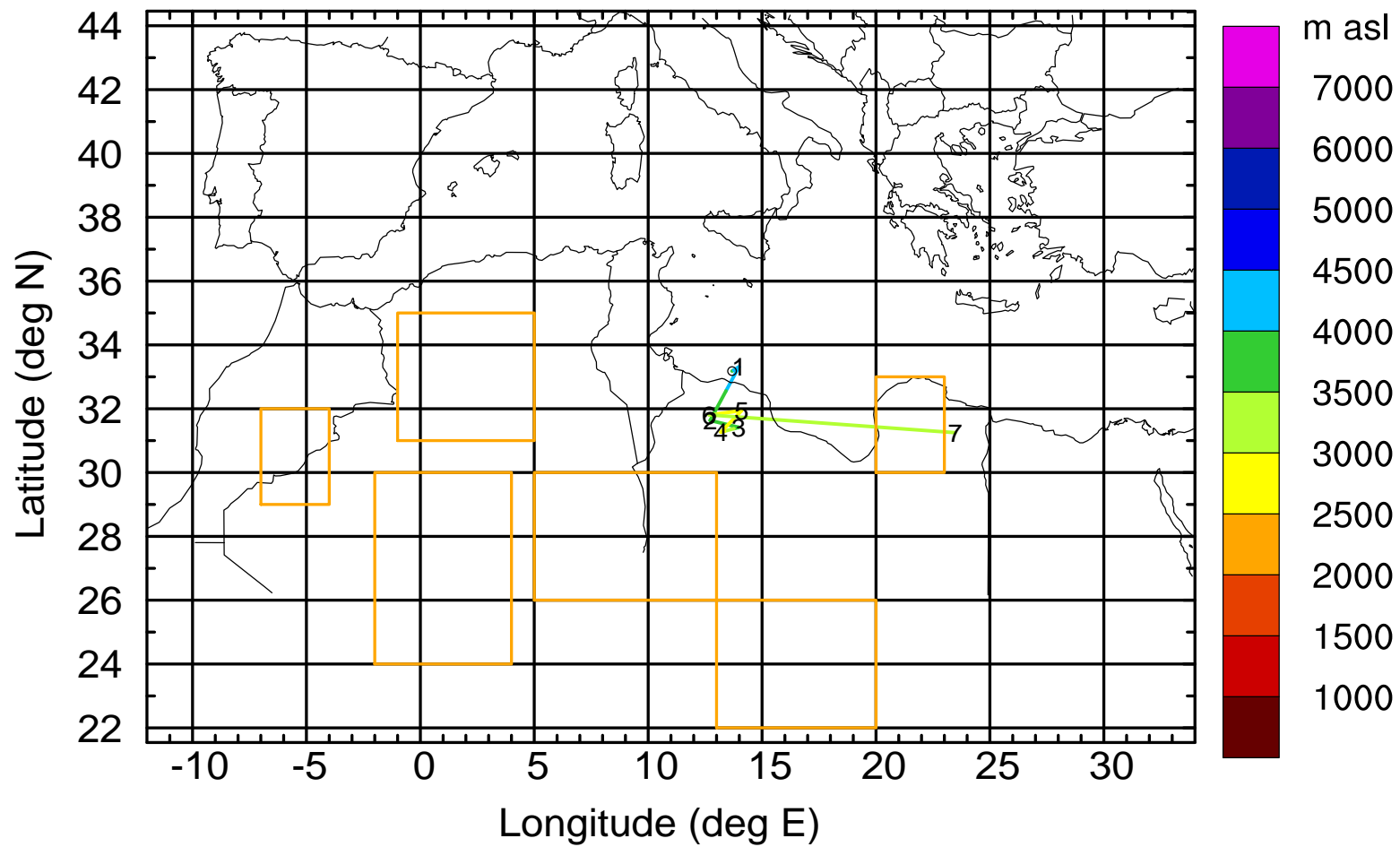
STS ground station 20170422

BWD 20170422/21 -89H = 19/04 UTC



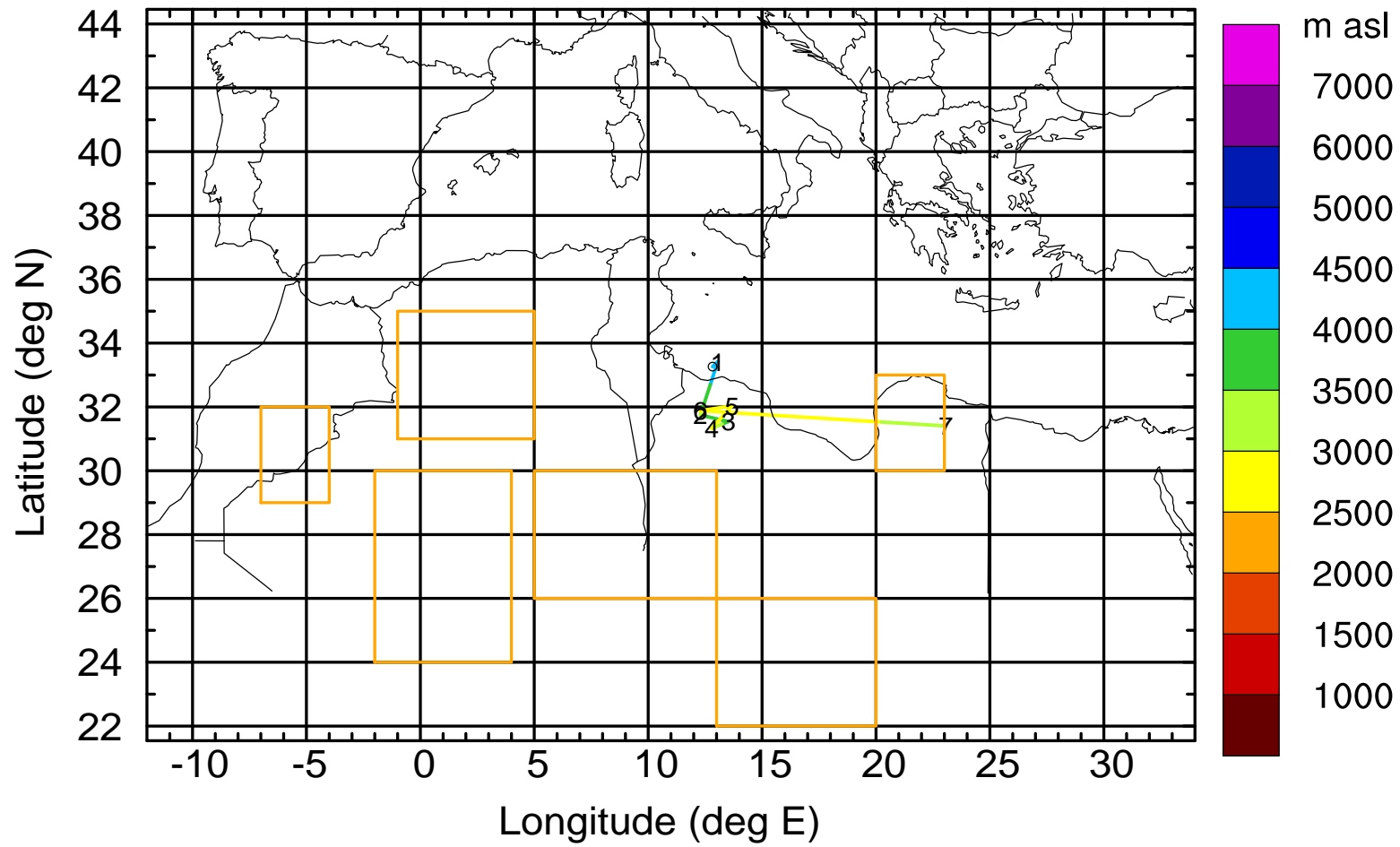
STS ground station 20170422

BWD 20170422/21 -90H = 19/03 UTC



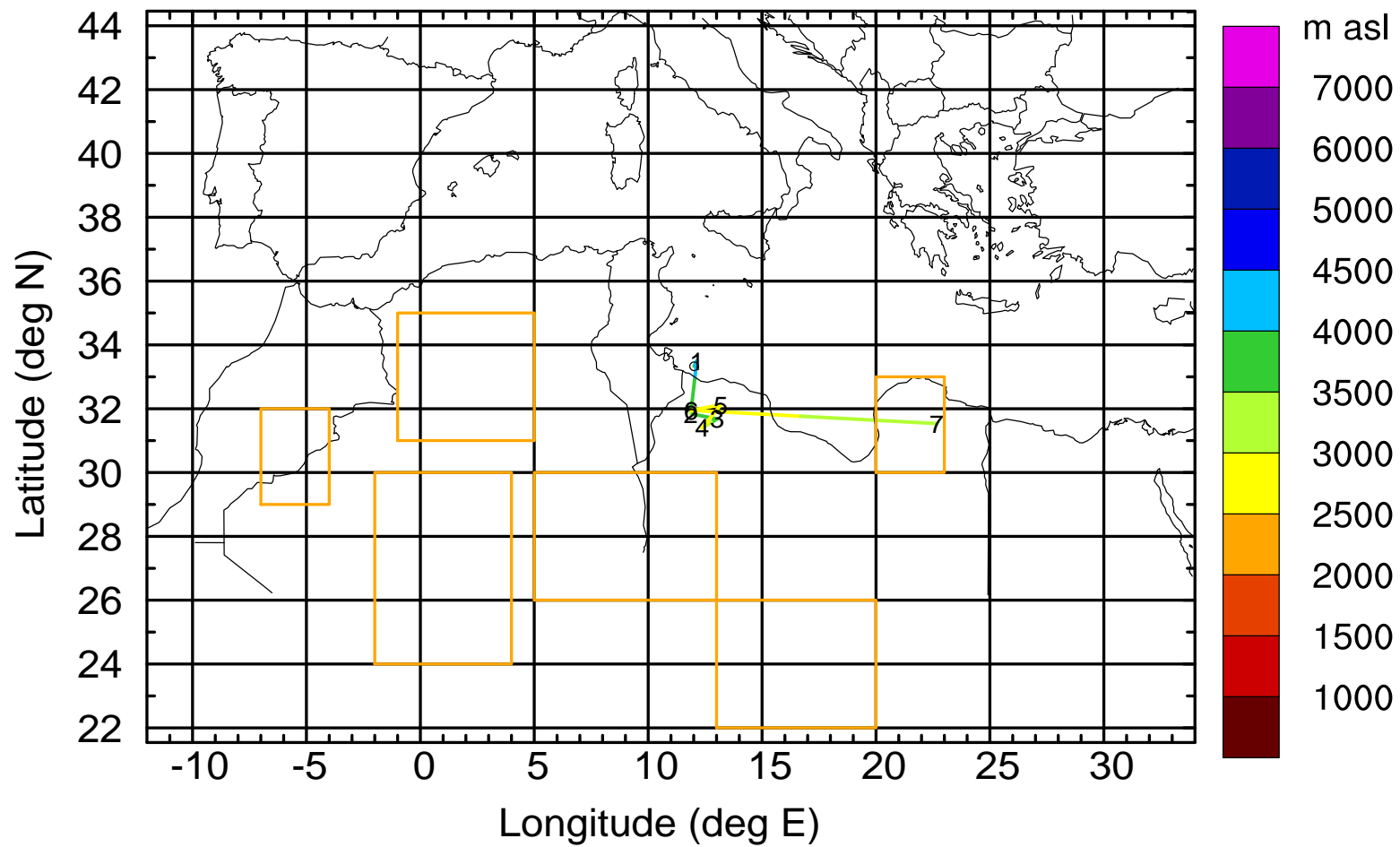
STS ground station 20170422

BWD 20170422/21 -91H = 19/02 UTC



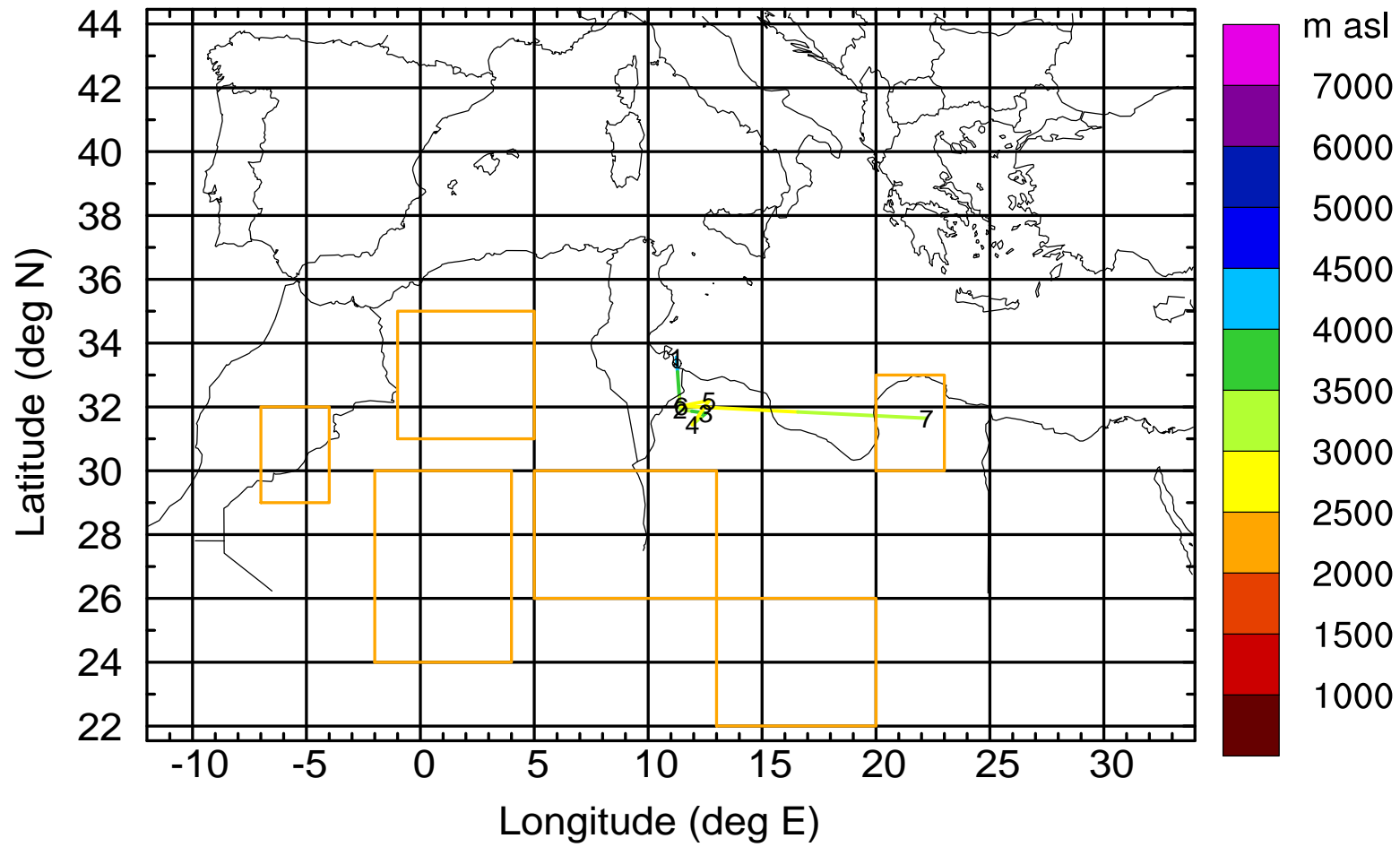
STS ground station 20170422

BWD 20170422/21 -92H = 19/01 UTC



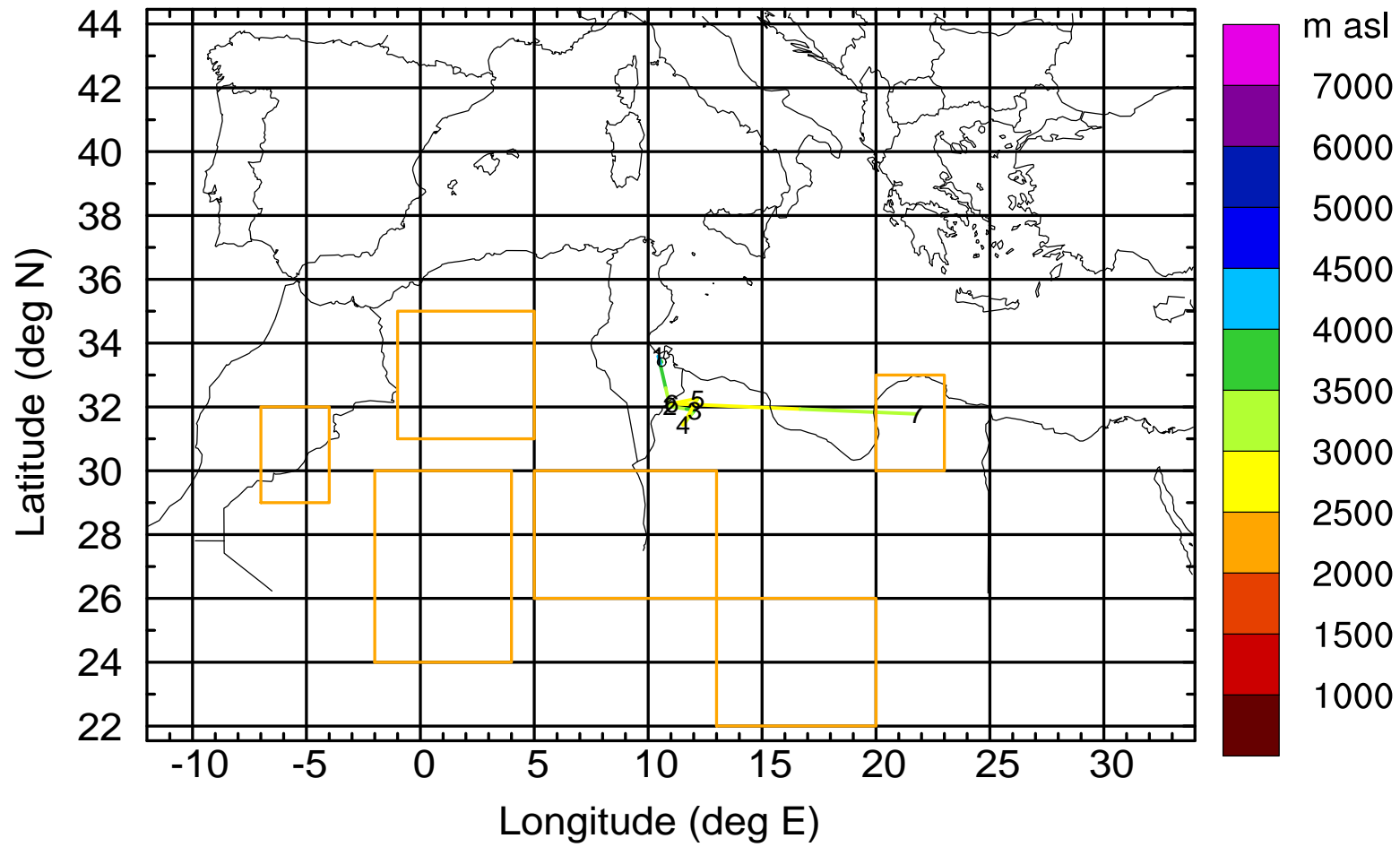
STS ground station 20170422

BWD 20170422/21 -93H = 19/00 UTC



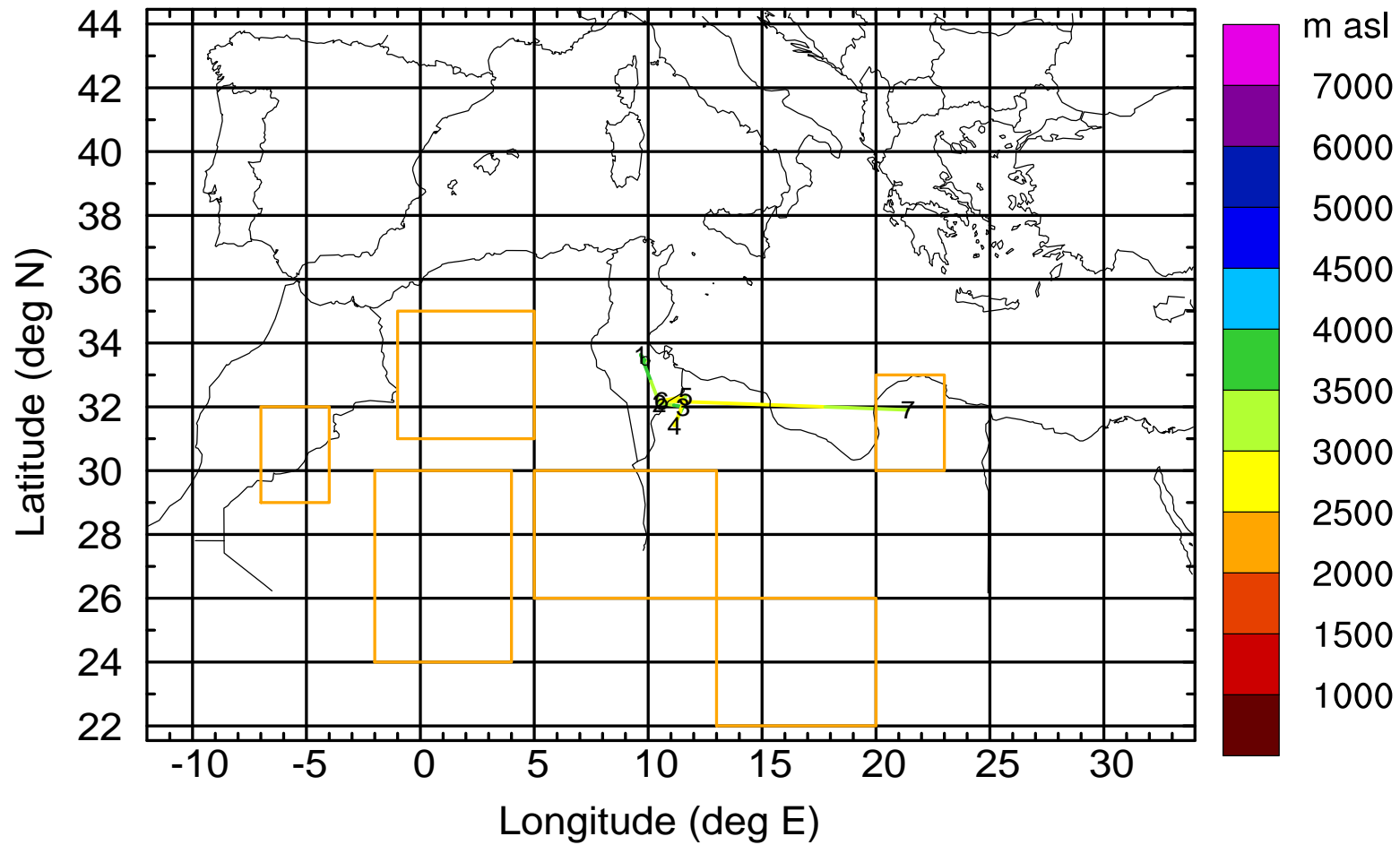
STS ground station 20170422

BWD 20170422/21 -94H = 18/23 UTC



STS ground station 20170422

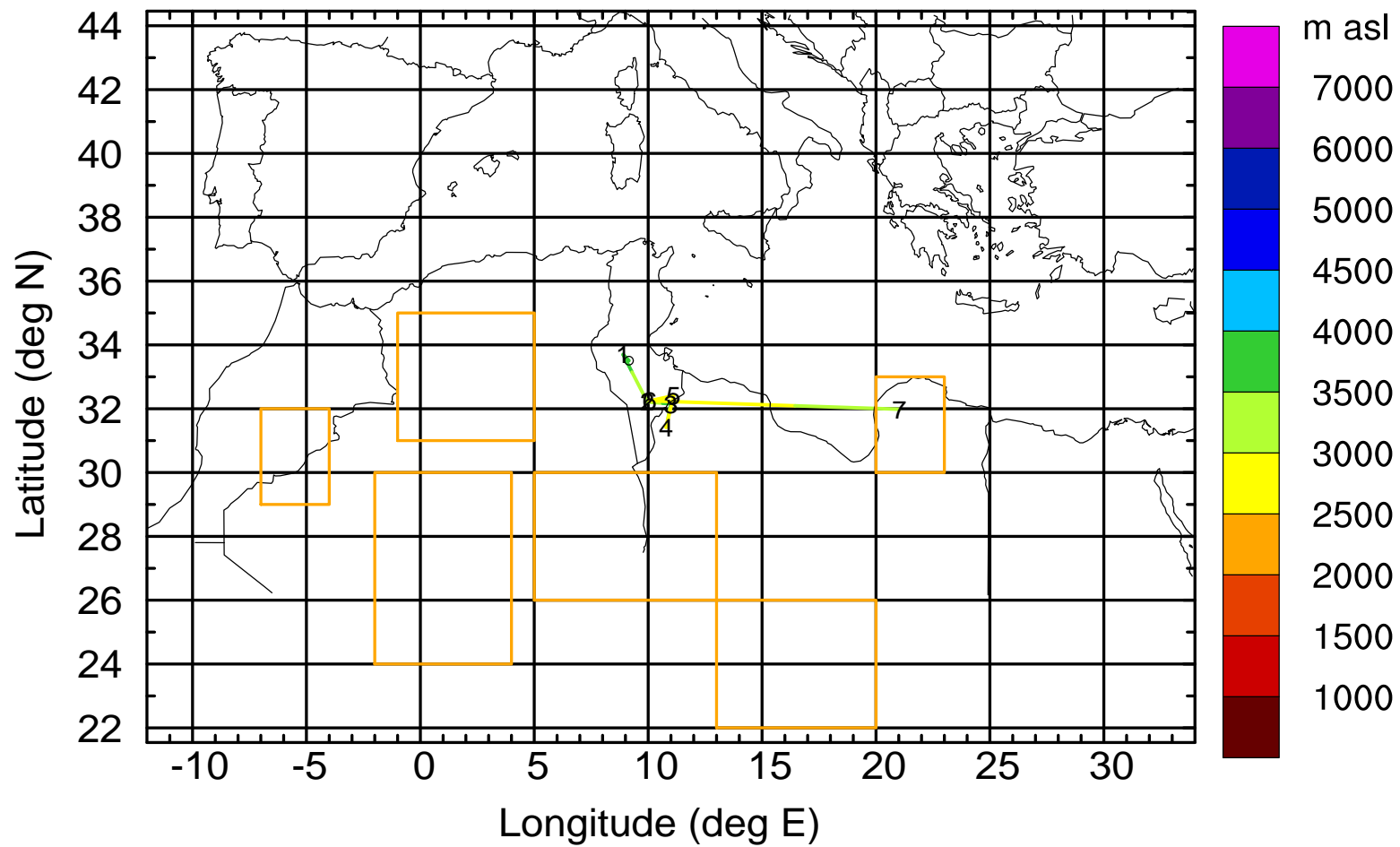
BWD 20170422/21 -95H = 18/22 UTC





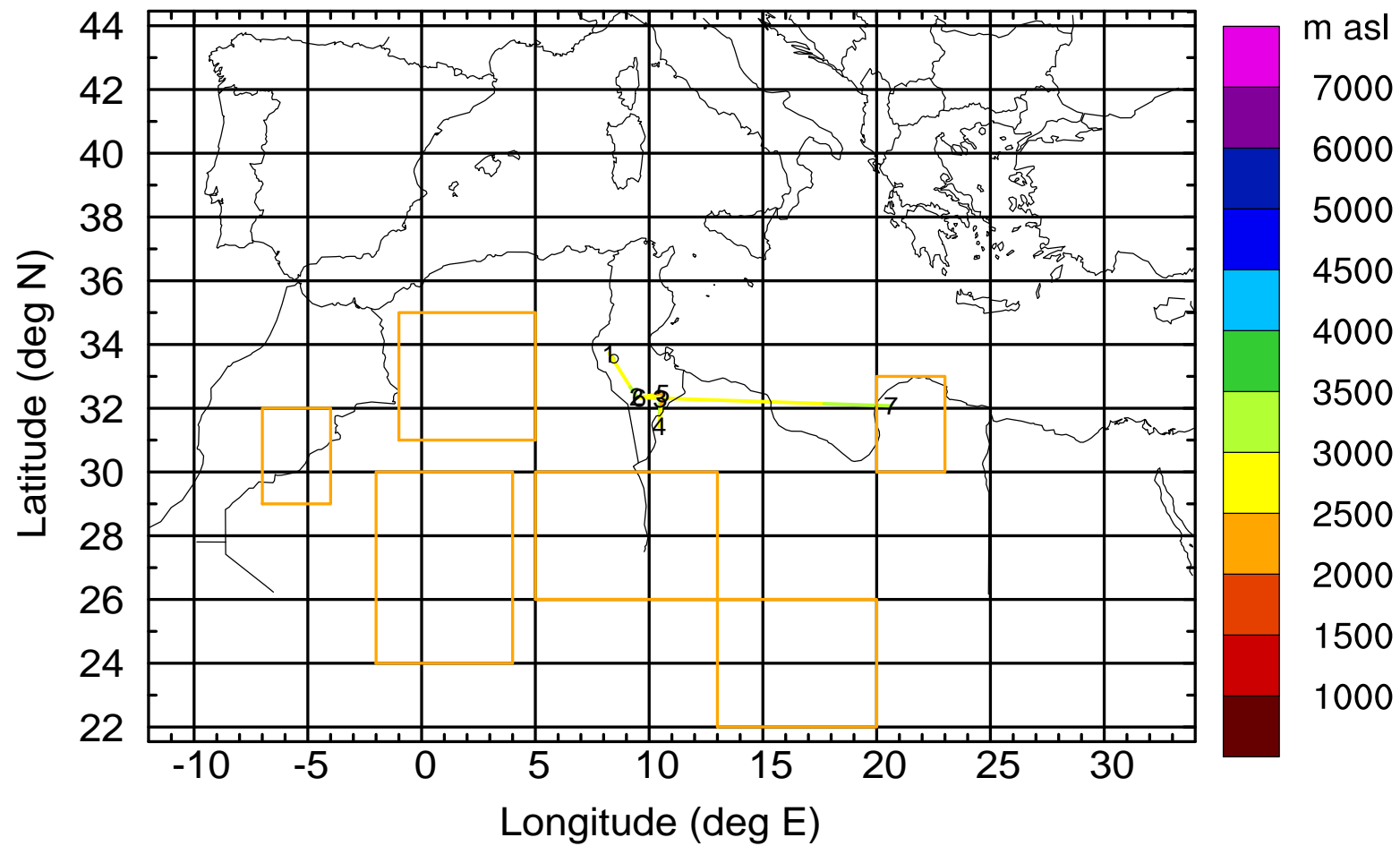
STS ground station 20170422

BWD 20170422/21 -96H = 18/21 UTC



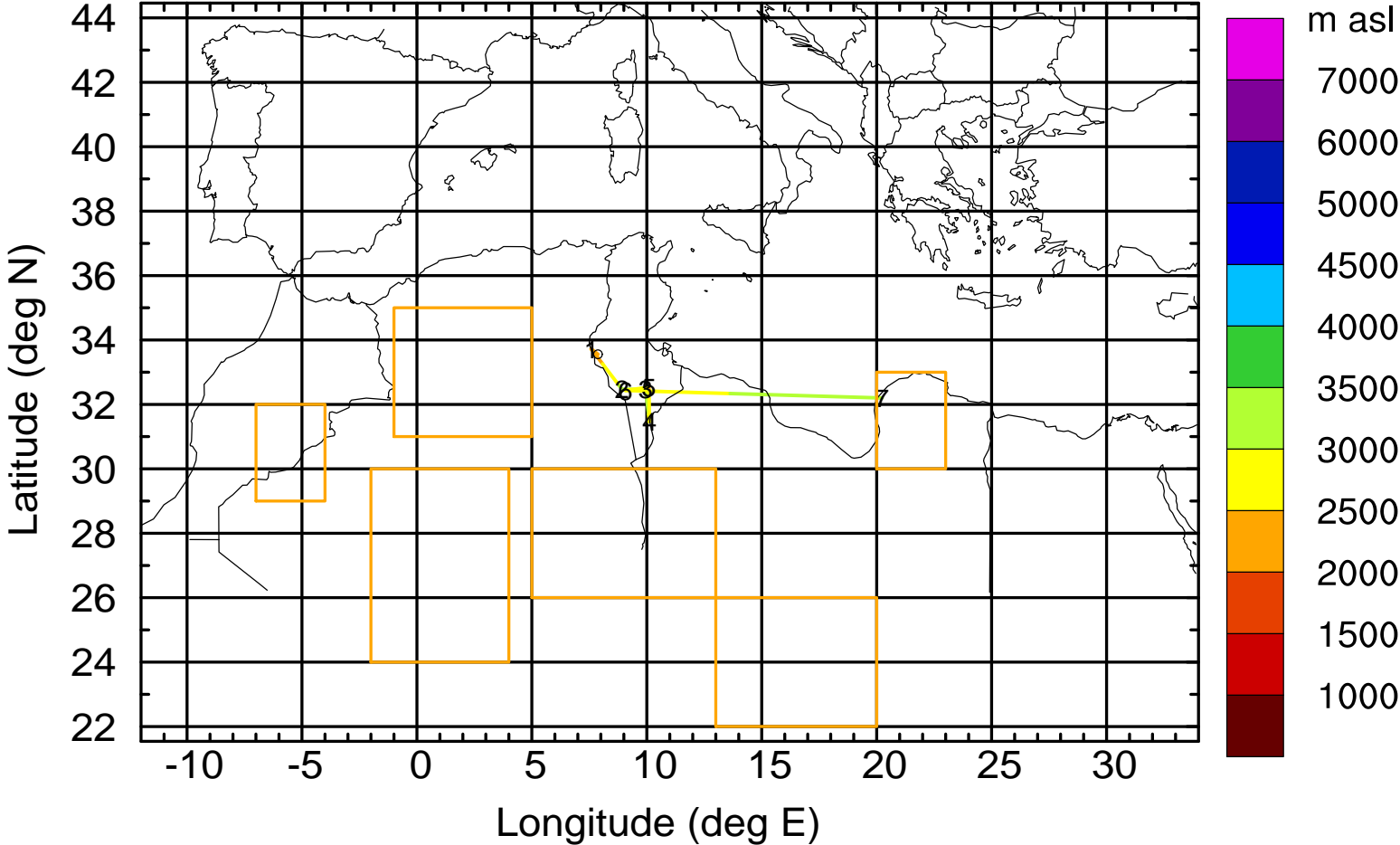
STS ground station 20170422

BWD 20170422/21 -97H = 18/20 UTC



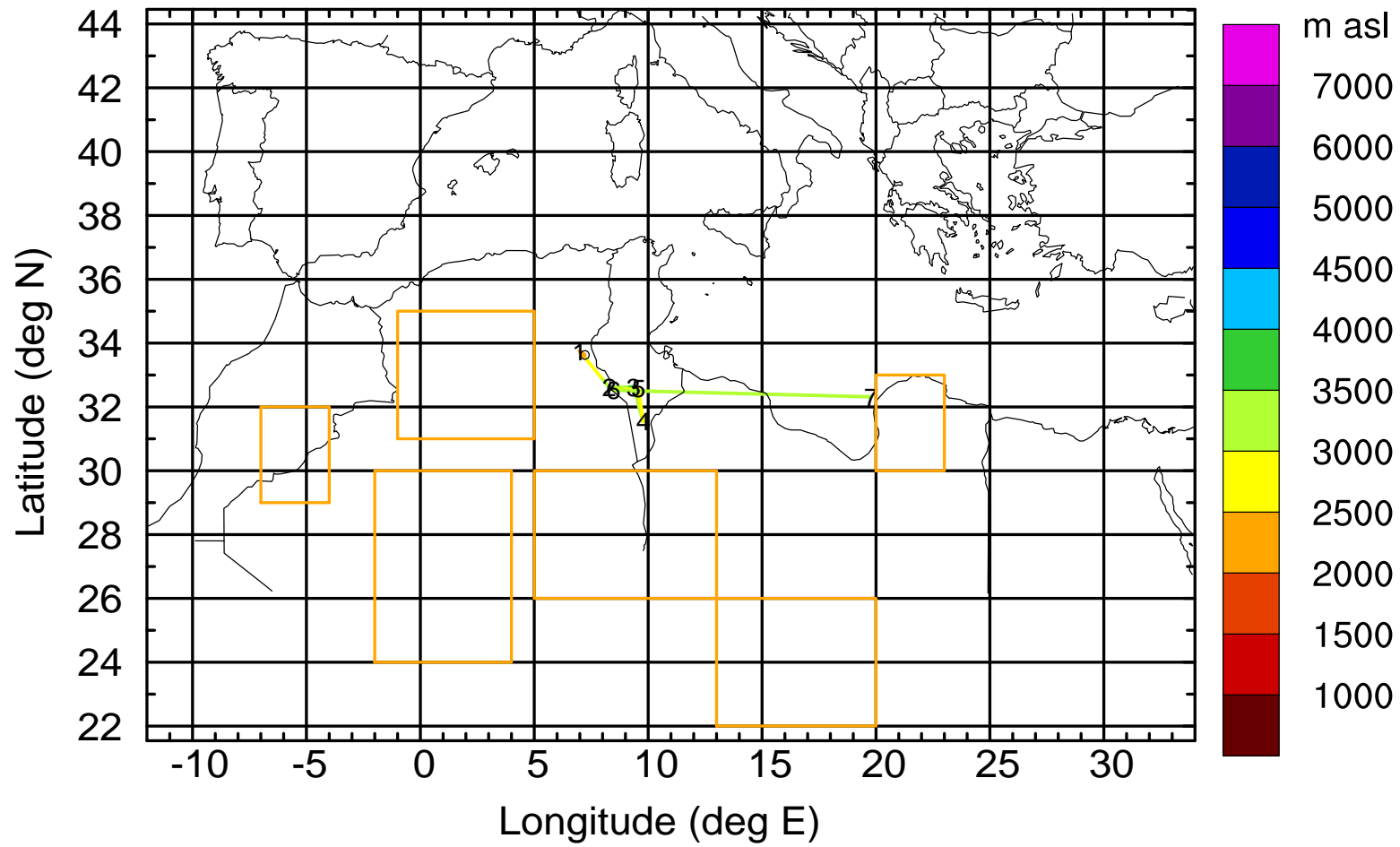
STS ground station 20170422

BWD 20170422/21 -98H = 18/19 UTC



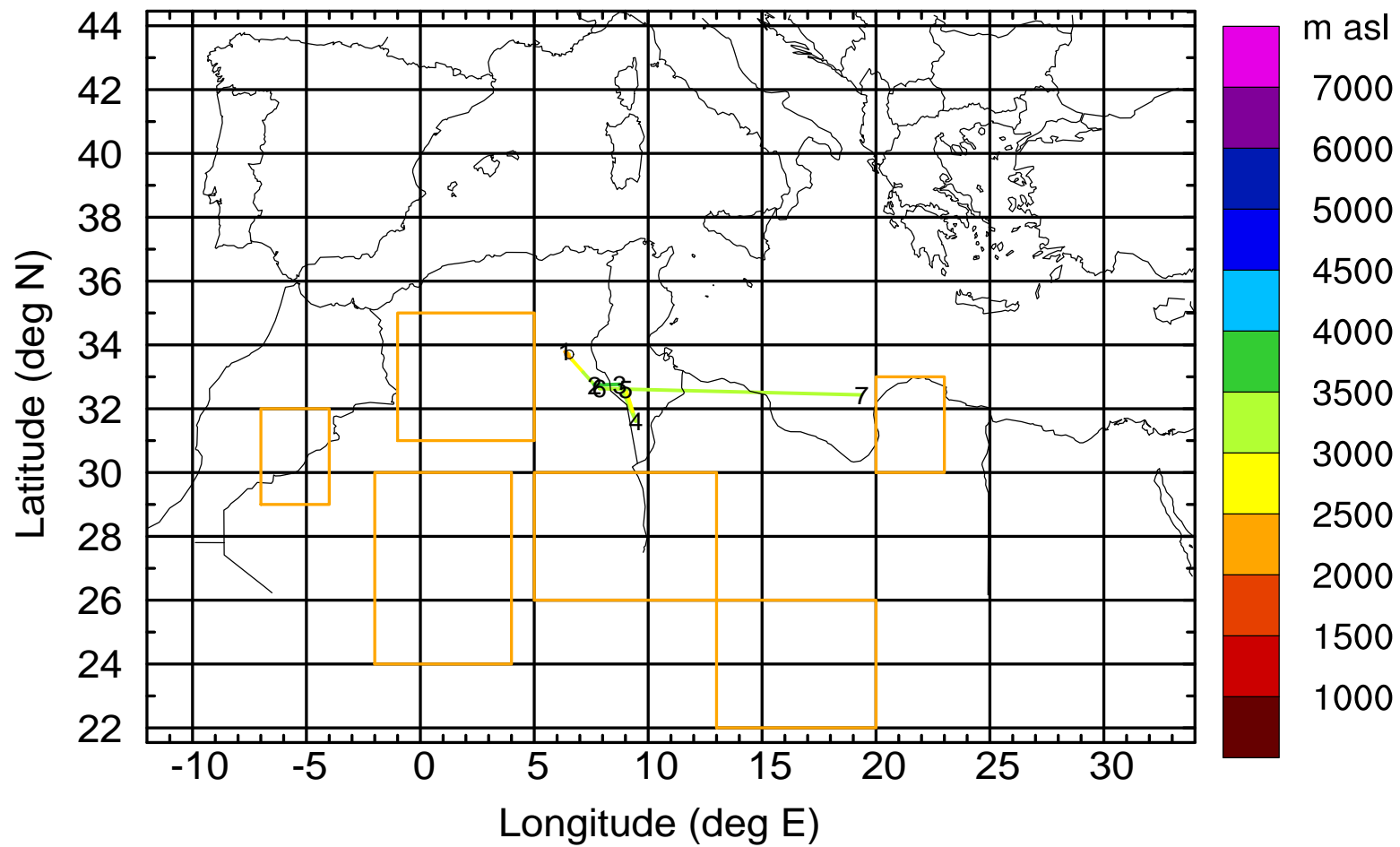
STS ground station 20170422

BWD 20170422/21 -99H = 18/18 UTC



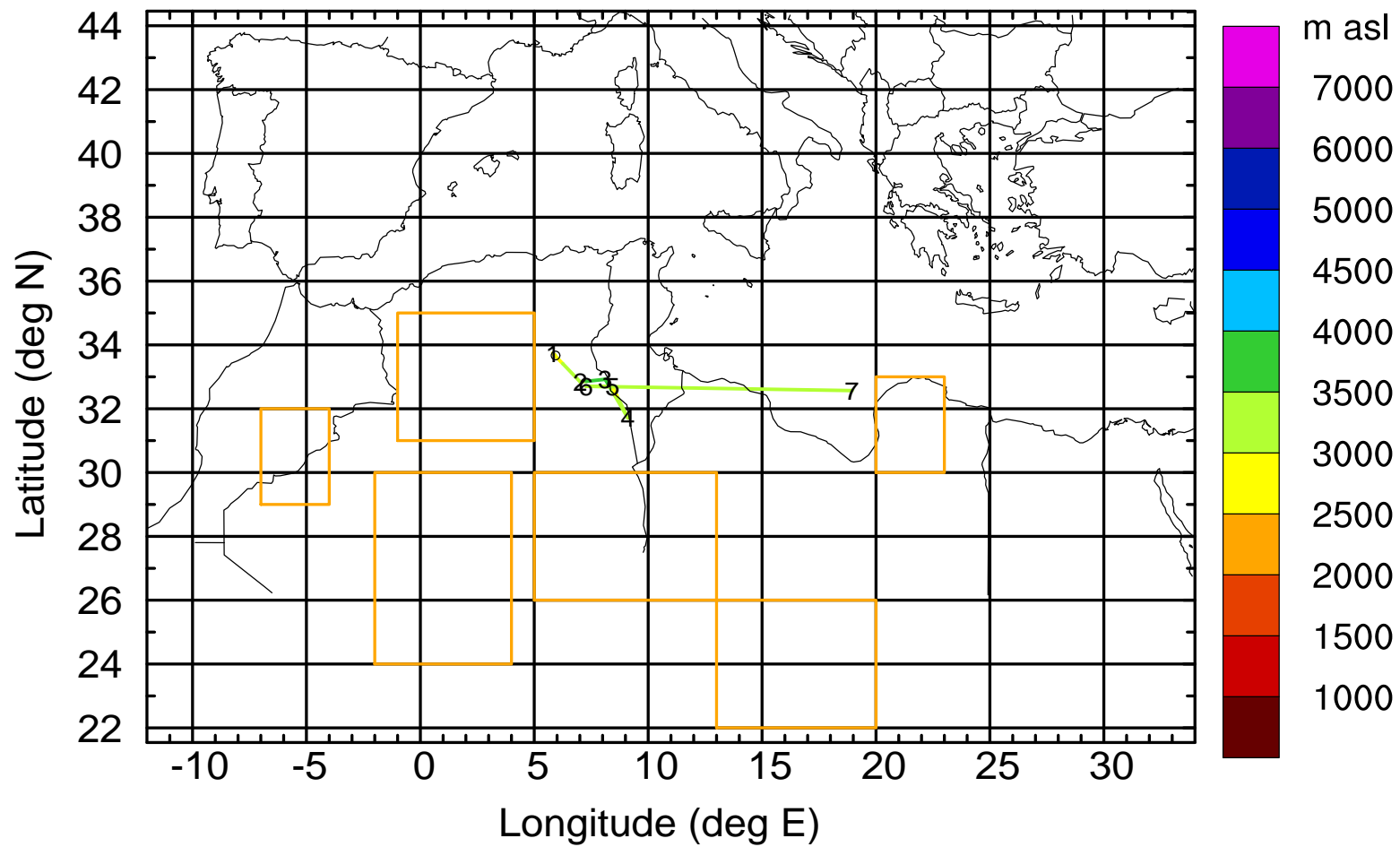
STS ground station 20170422

BWD 20170422/21-100H = 18/17 UTC



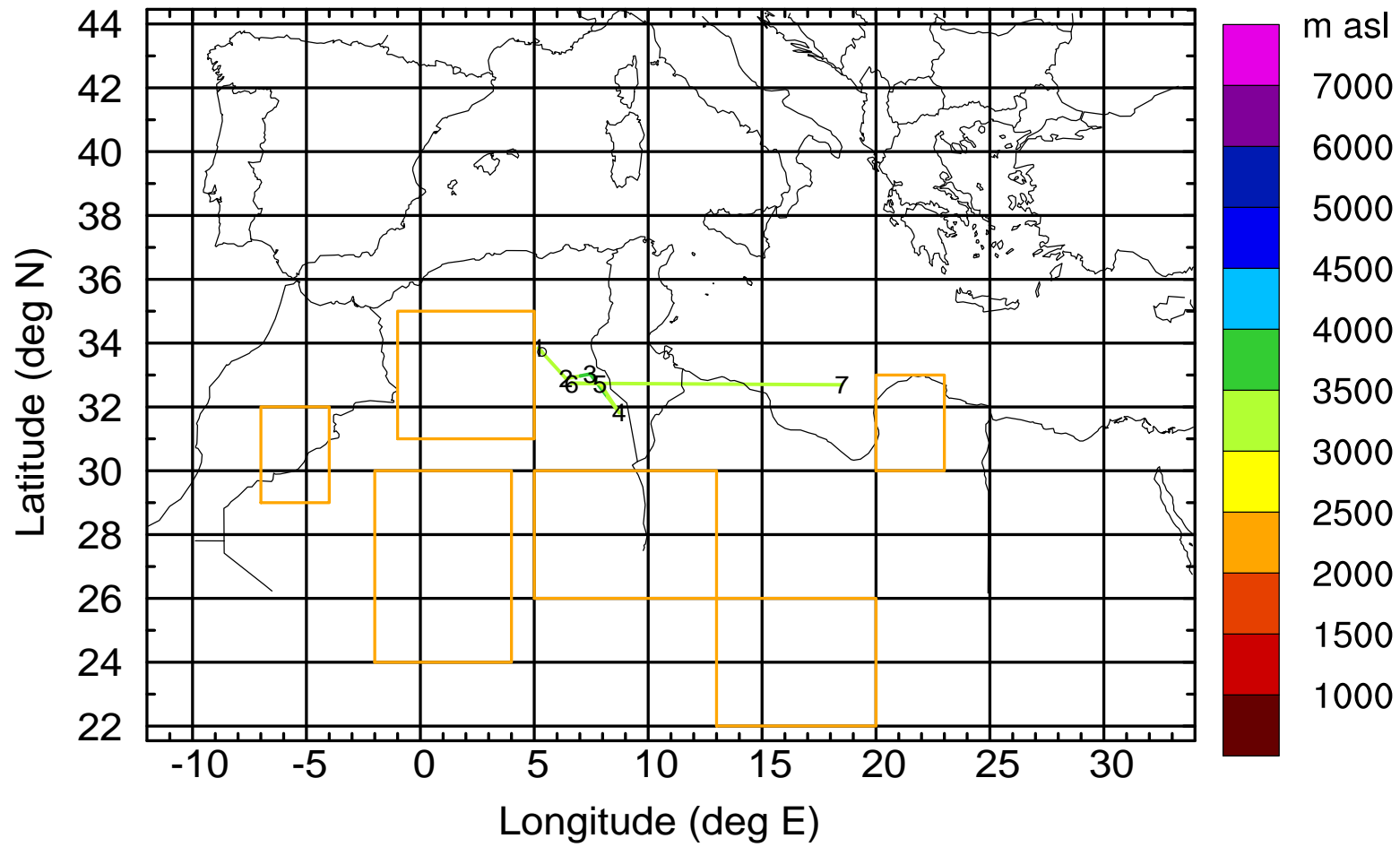
STS ground station 20170422

BWD 20170422/21-101H = 18/16 UTC



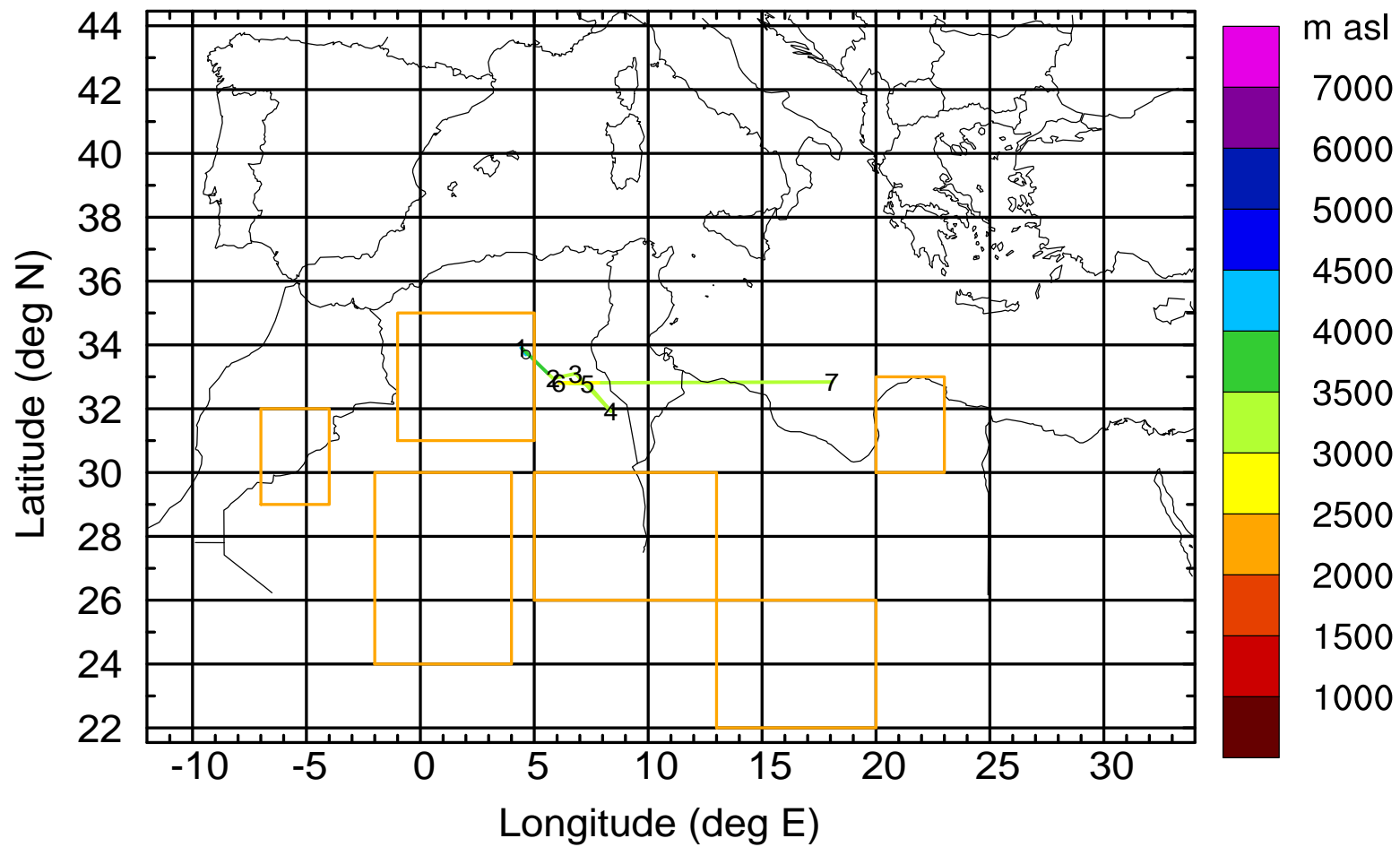
STS ground station 20170422

BWD 20170422/21-102H = 18/15 UTC



STS ground station 20170422

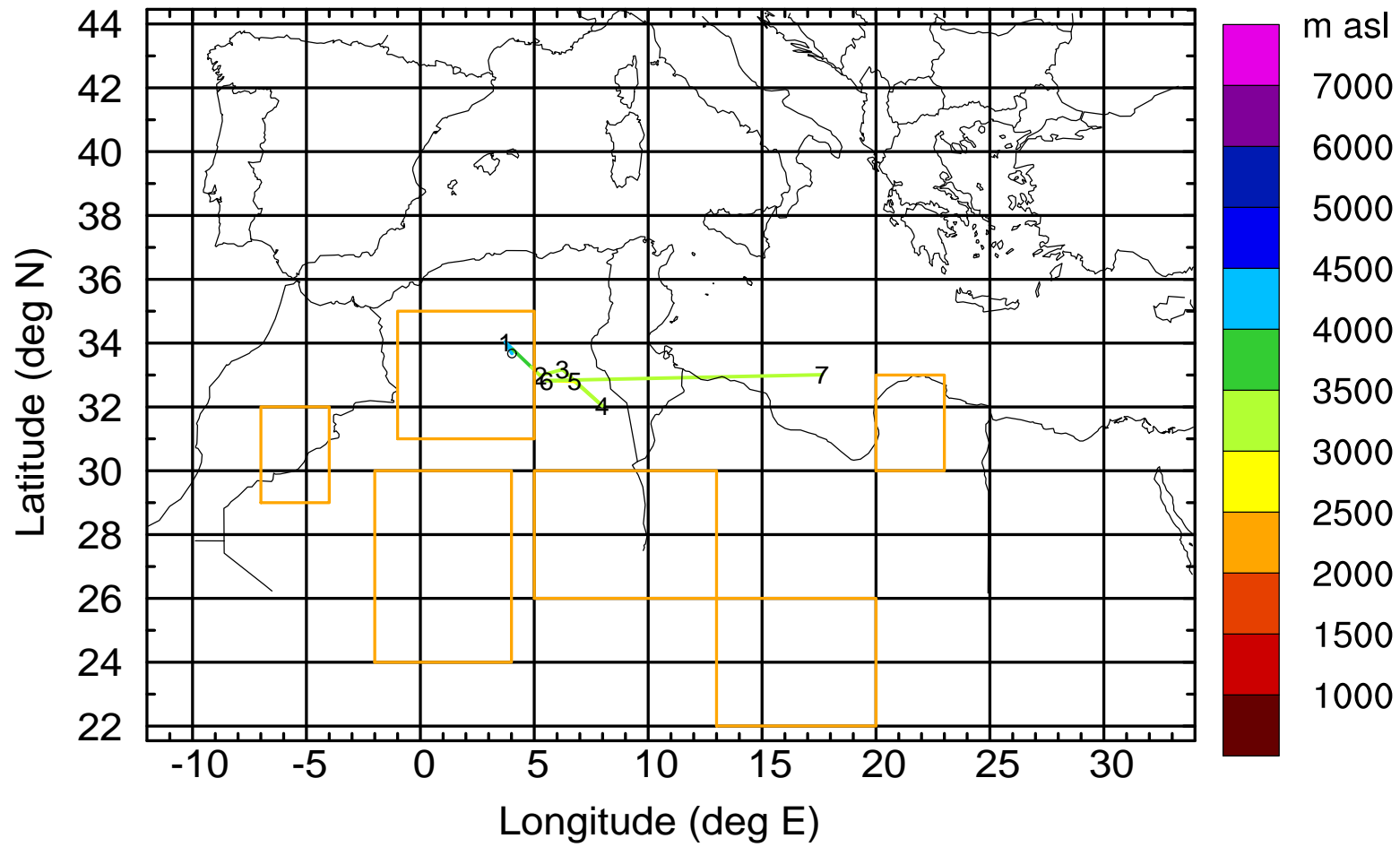
BWD 20170422/21-103H = 18/14 UTC





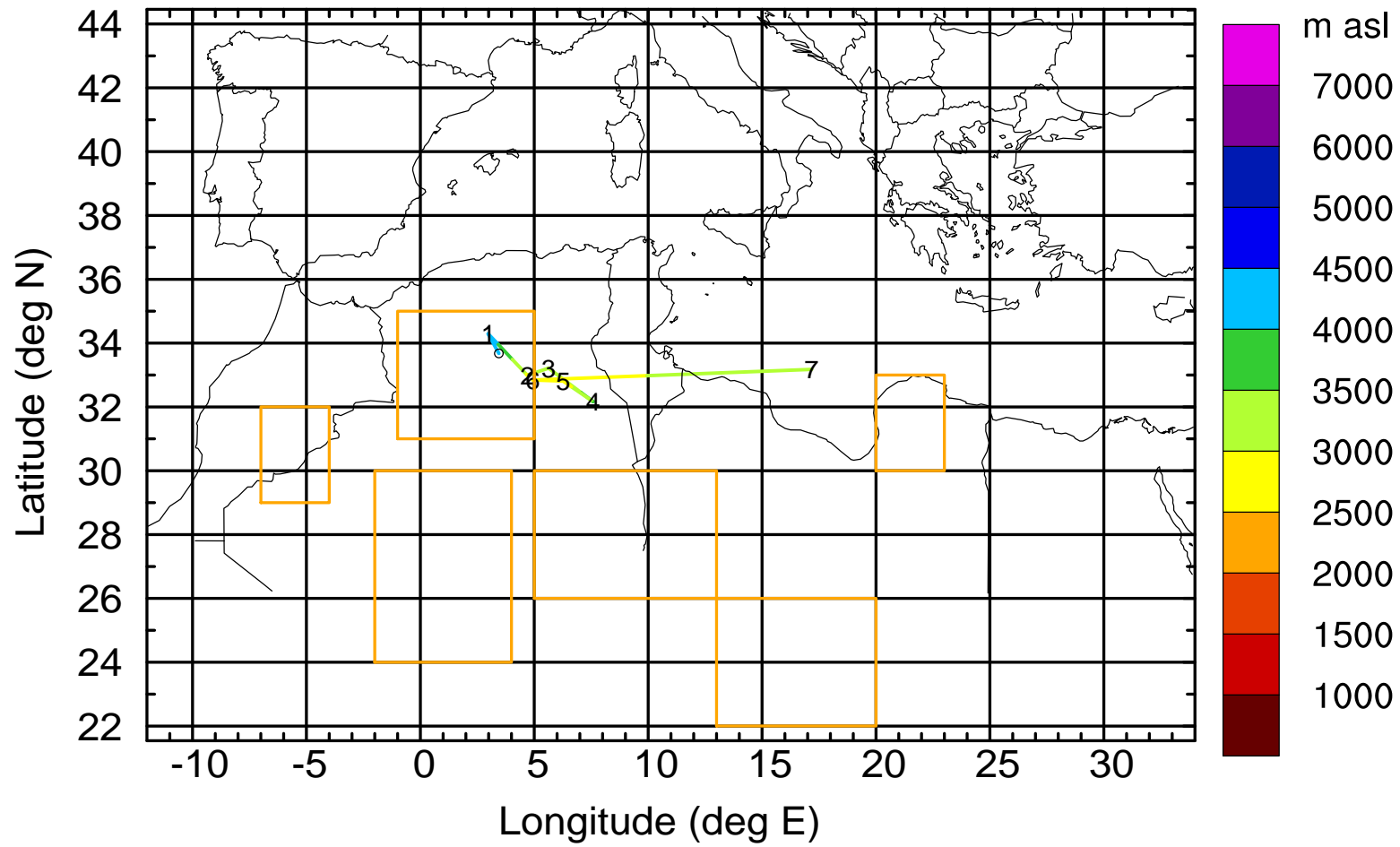
STS ground station 20170422

BWD 20170422/21-104H = 18/13 UTC



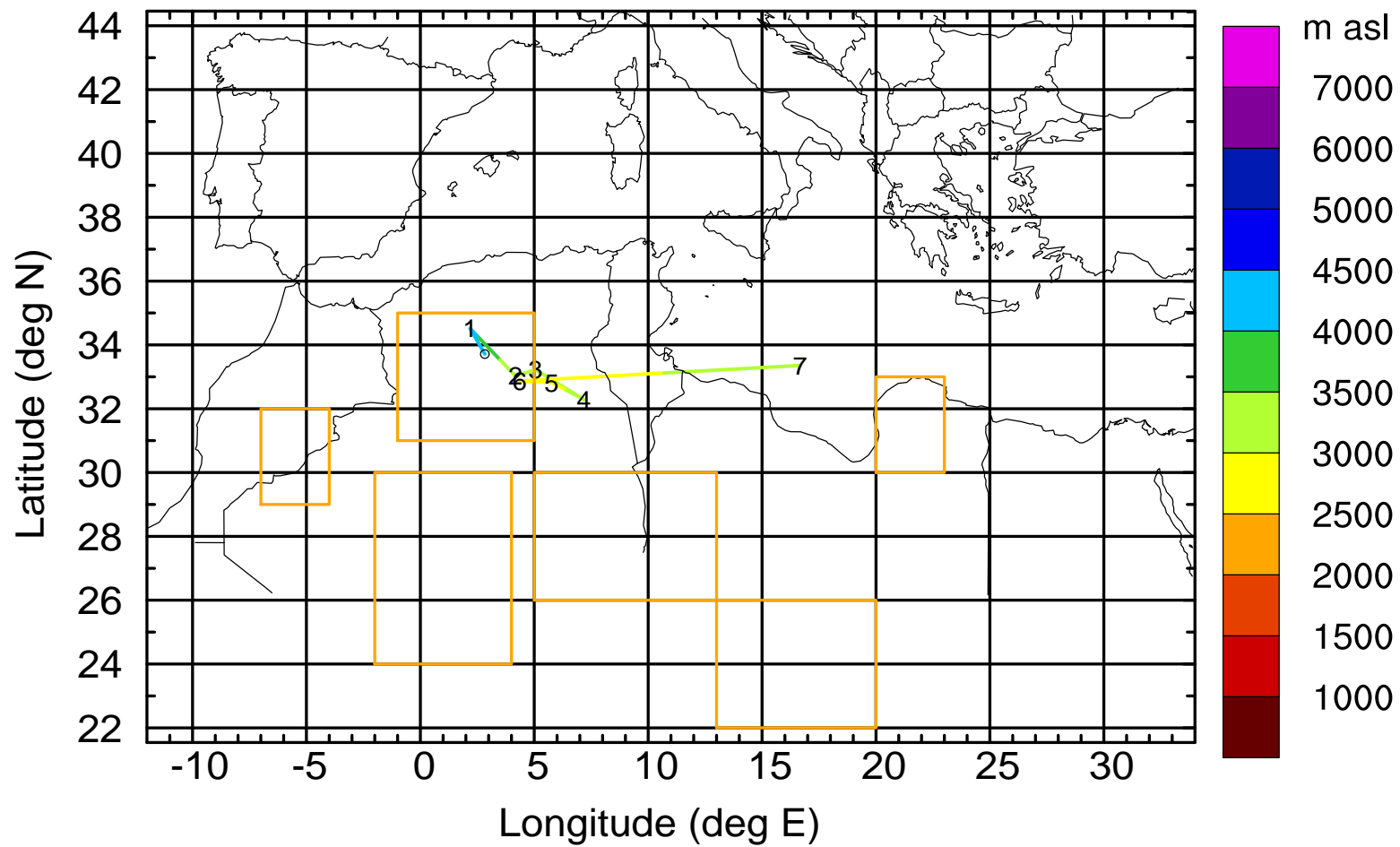
STS ground station 20170422

BWD 20170422/21-105H = 18/12 UTC



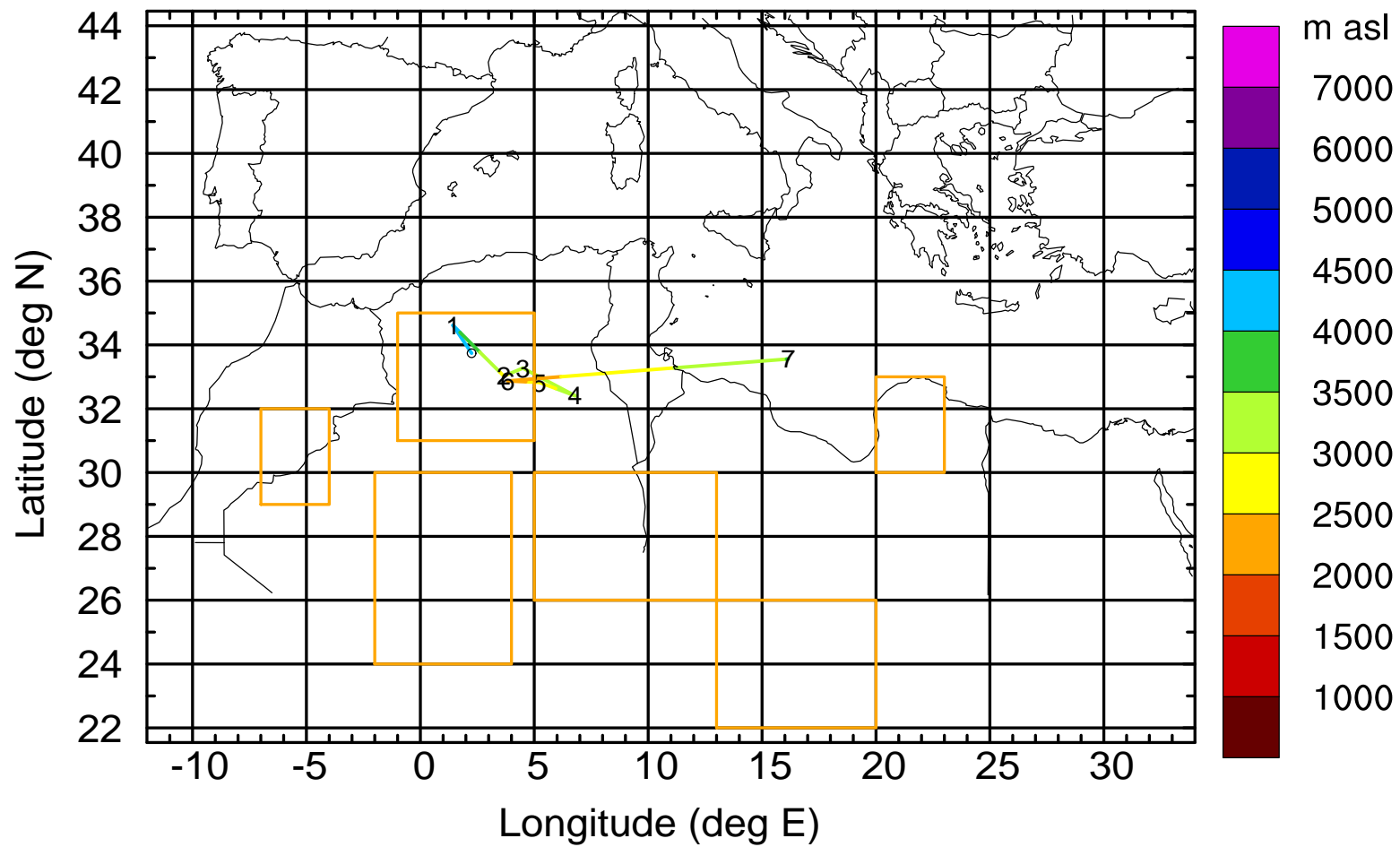
STS ground station 20170422

BWD 20170422/21-106H = 18/11 UTC



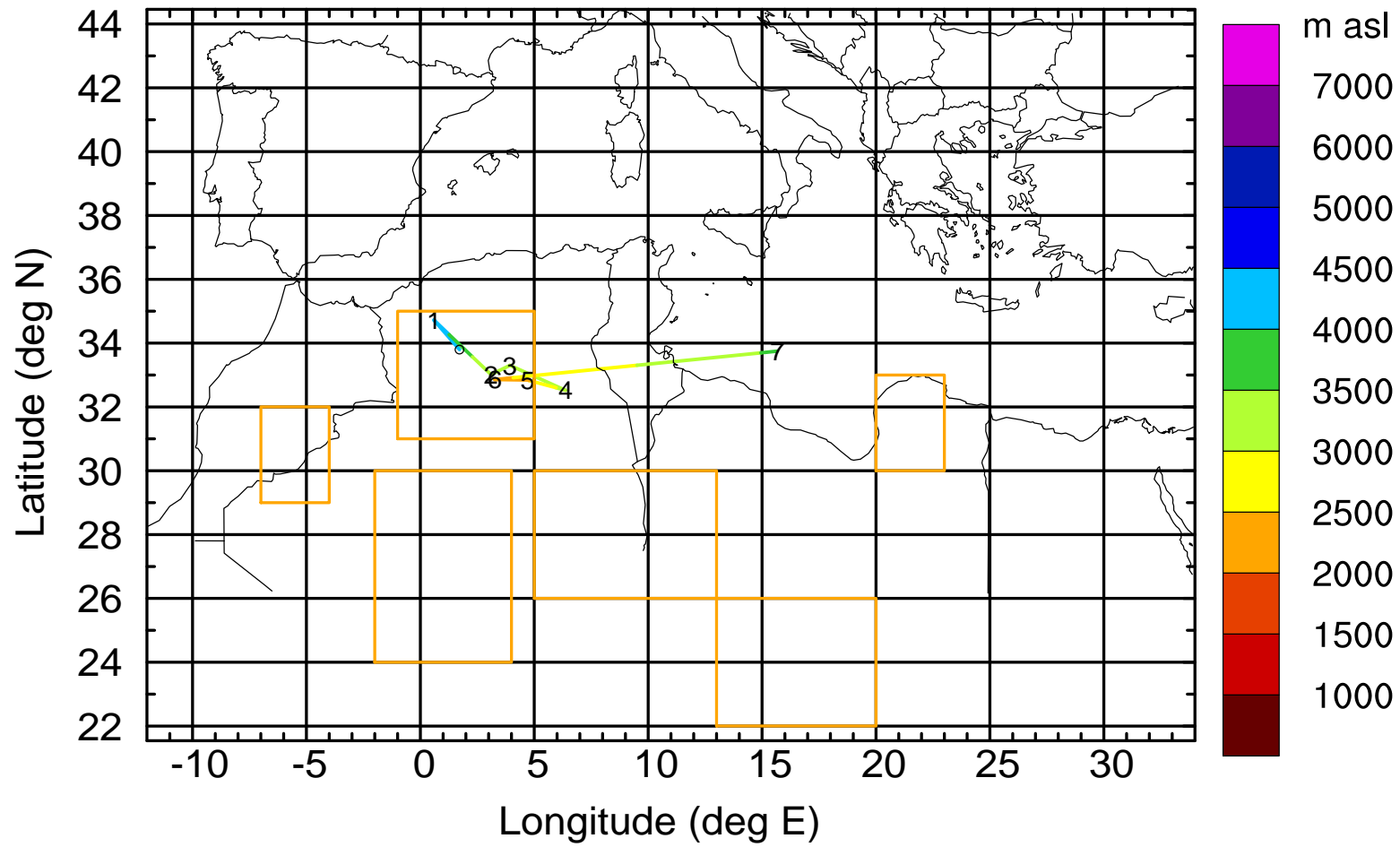
STS ground station 20170422

BWD 20170422/21-107H = 18/10 UTC



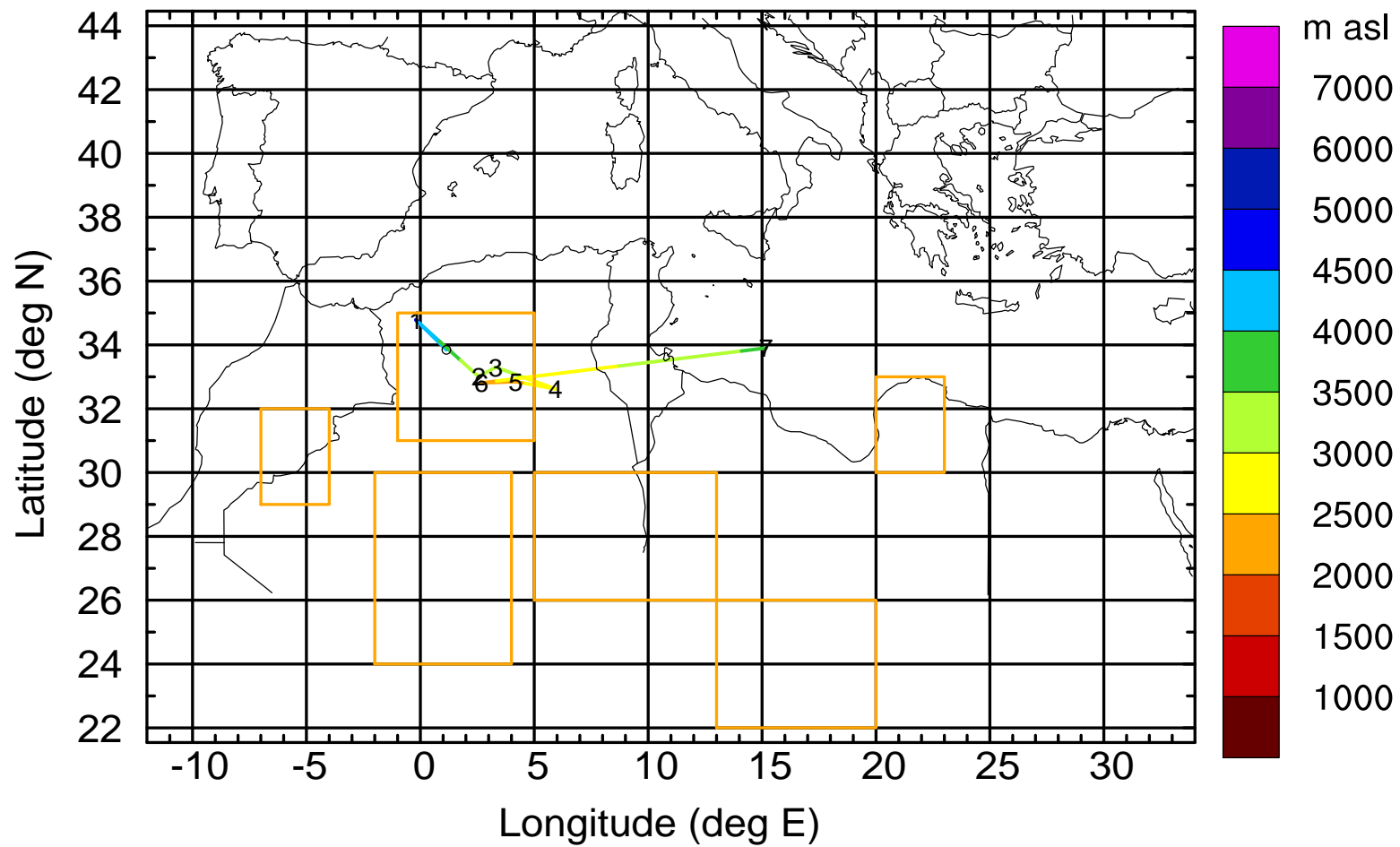
STS ground station 20170422

BWD 20170422/21-108H = 18/09 UTC



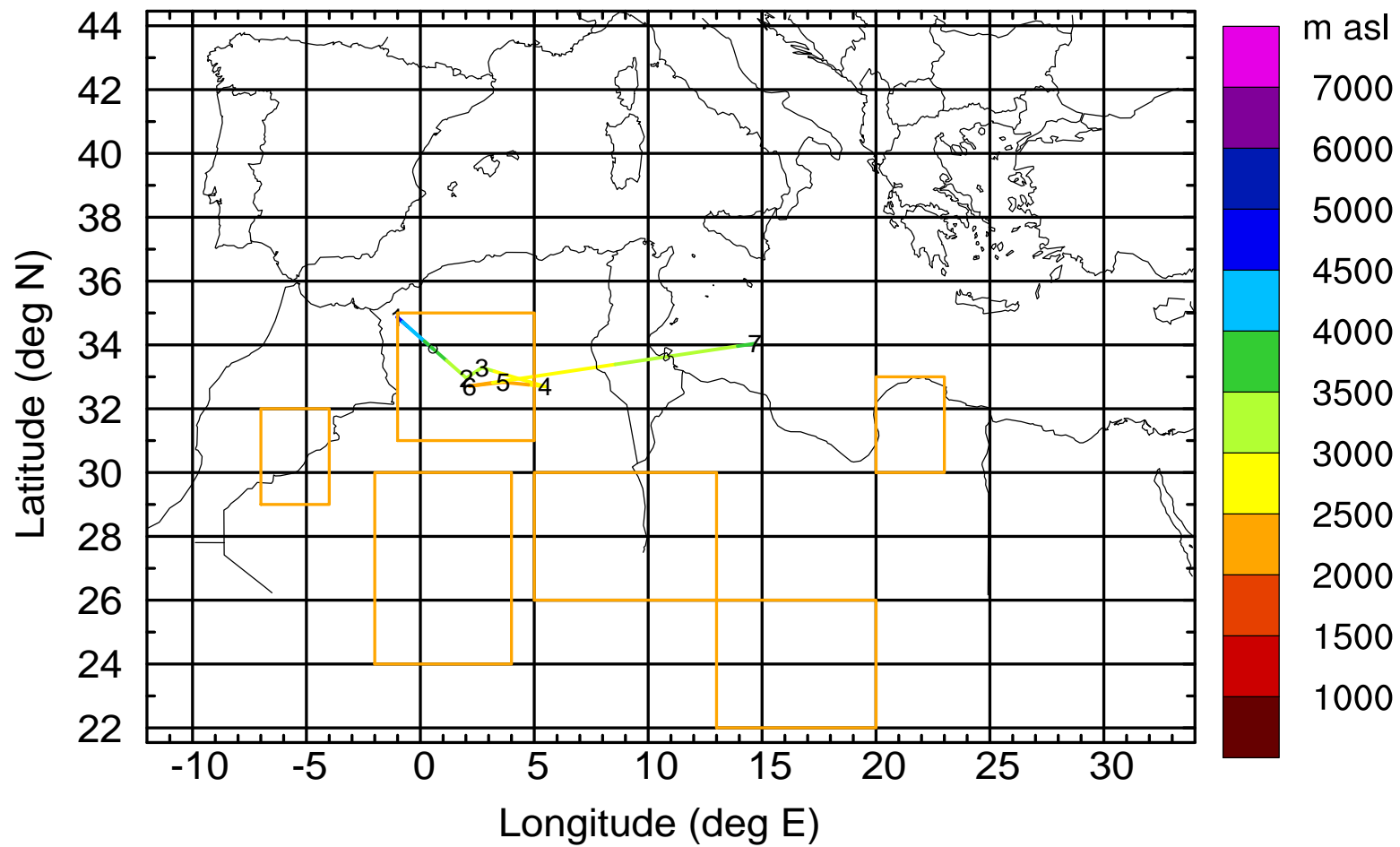
STS ground station 20170422

BWD 20170422/21-109H = 18/08 UTC



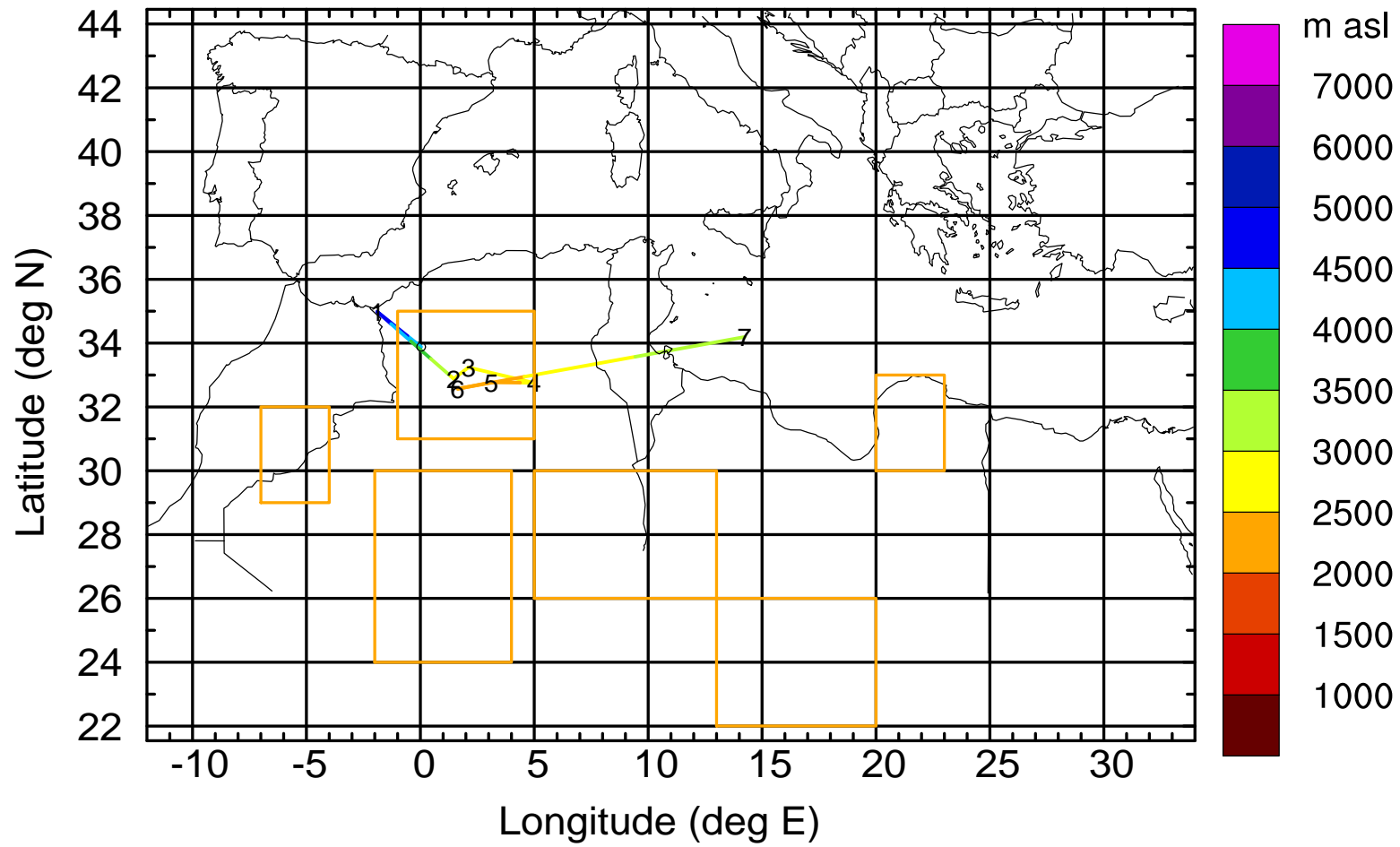
STS ground station 20170422

BWD 20170422/21-110H = 18/07 UTC



STS ground station 20170422

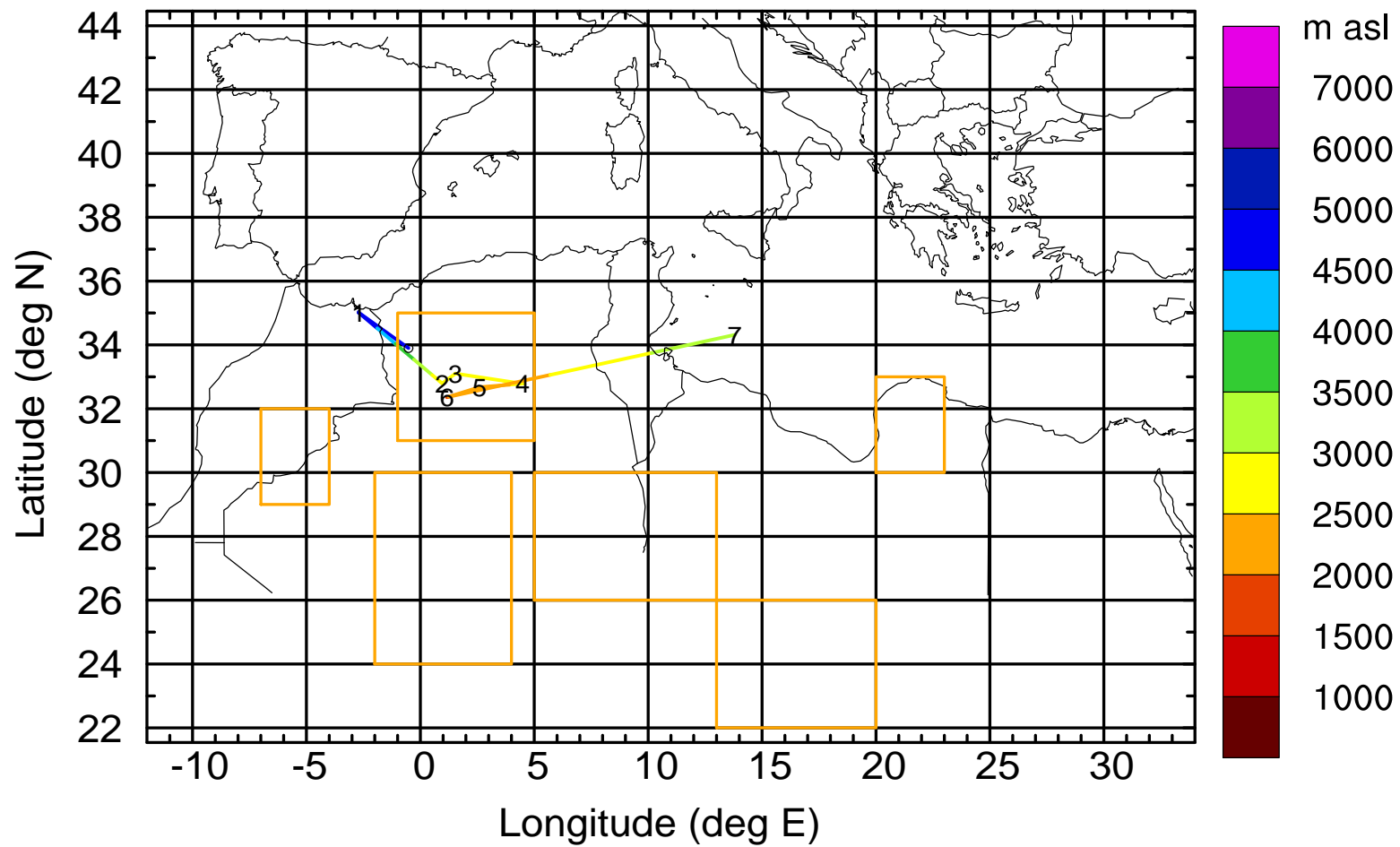
BWD 20170422/21-111H = 18/06 UTC





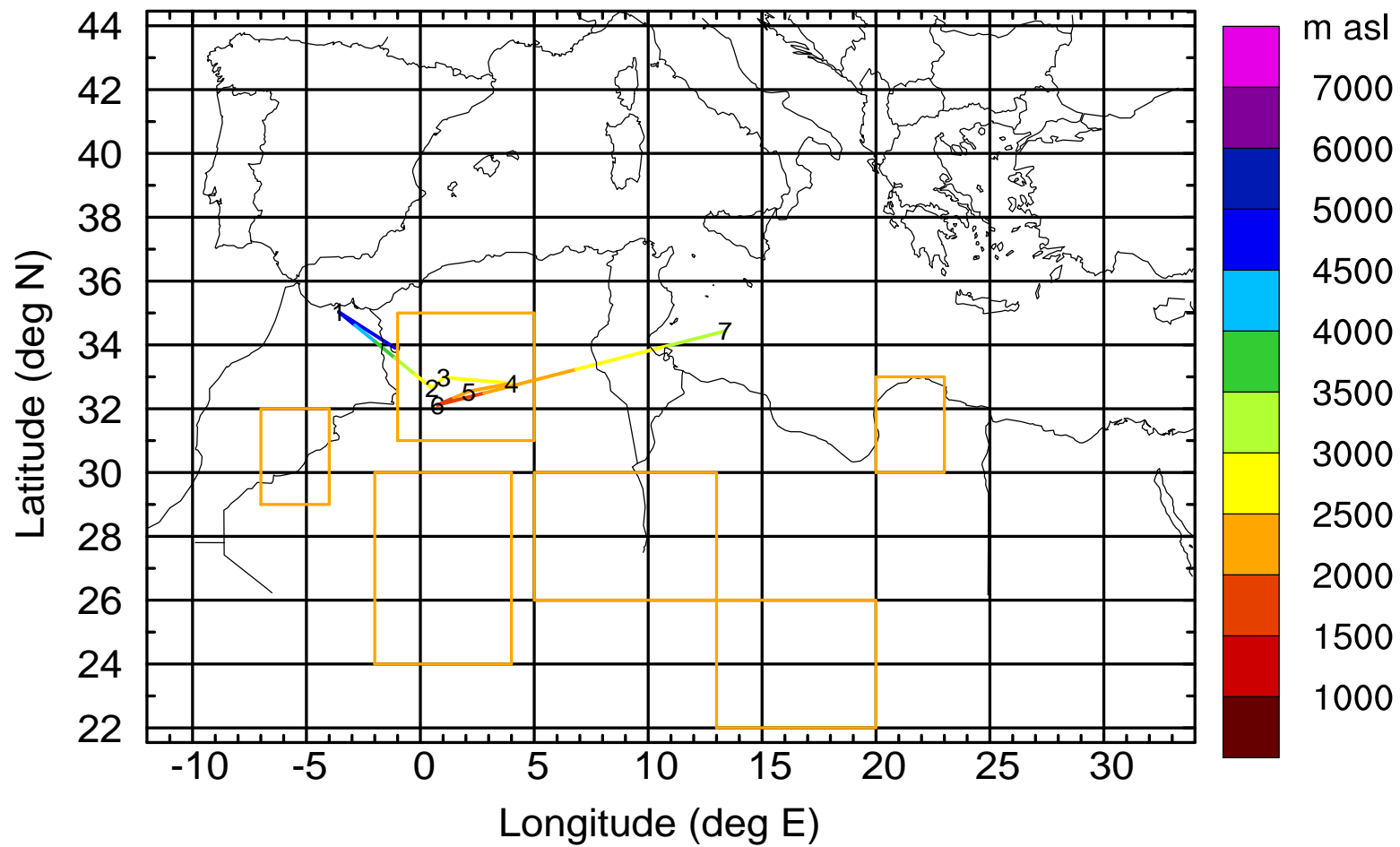
STS ground station 20170422

BWD 20170422/21-112H = 18/05 UTC



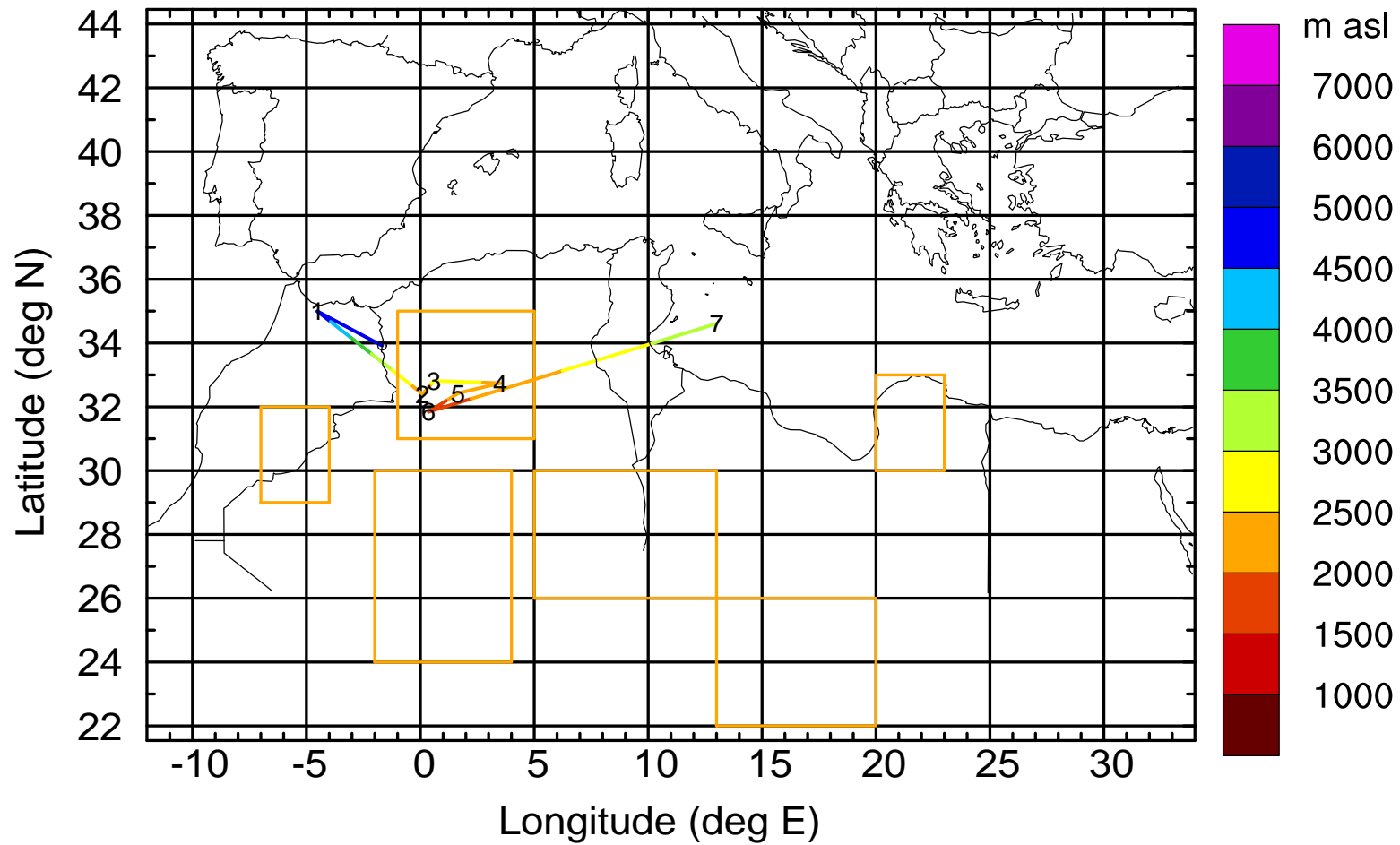
STS ground station 20170422

BWD 20170422/21-113H = 18/04 UTC



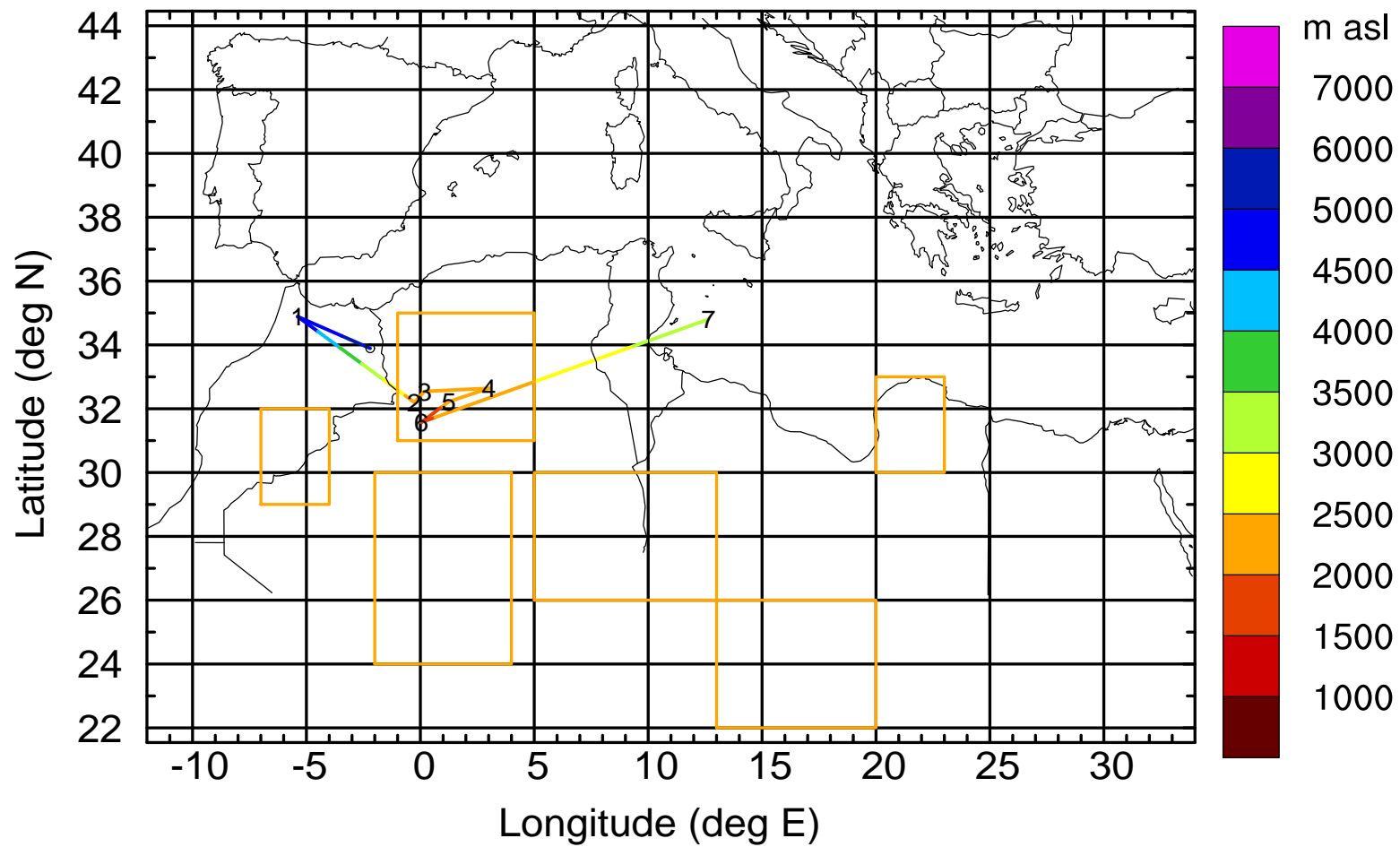
STS ground station 20170422

BWD 20170422/21-114H = 18/03 UTC



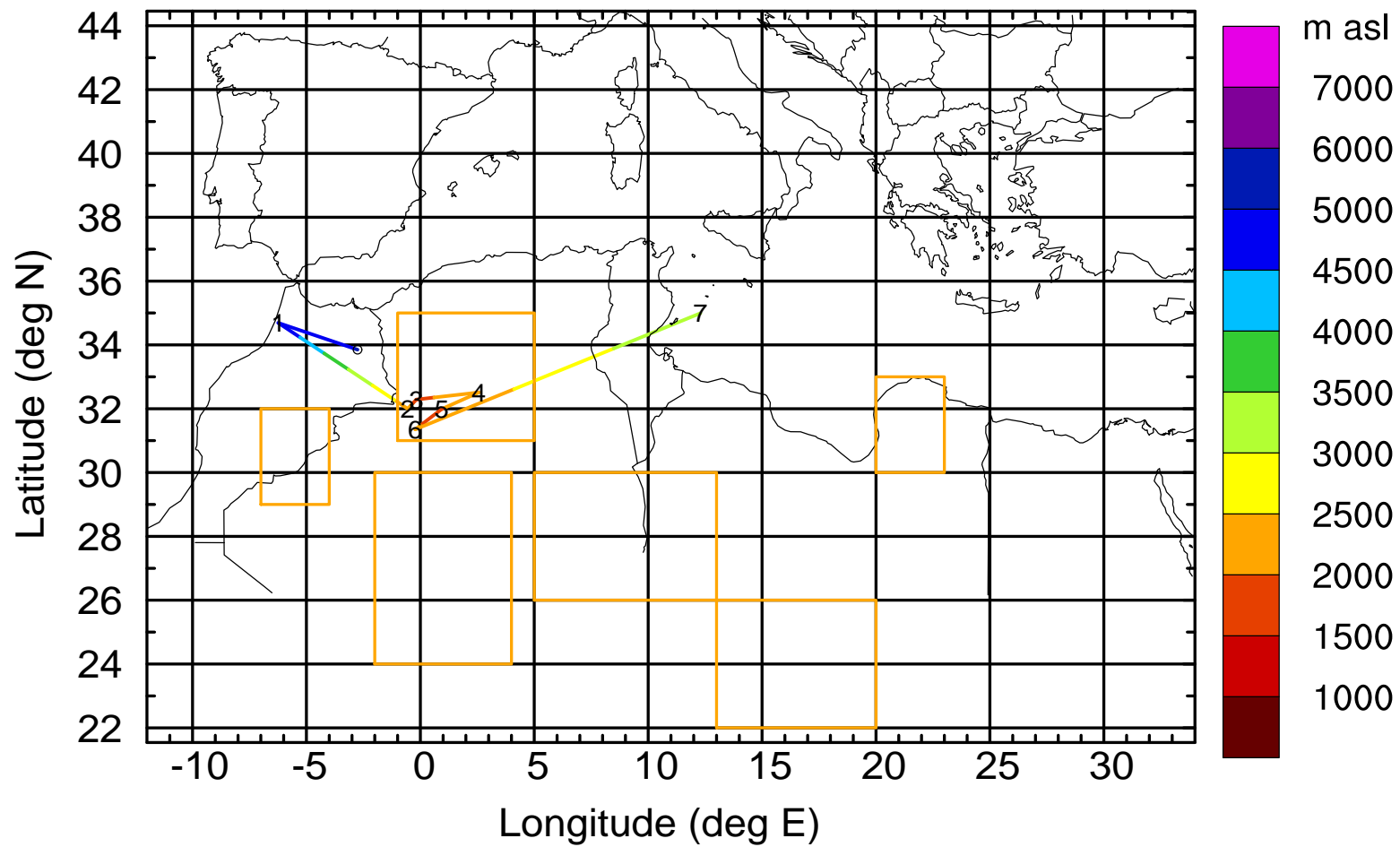
STS ground station 20170422

BWD 20170422/21-115H = 18/02 UTC



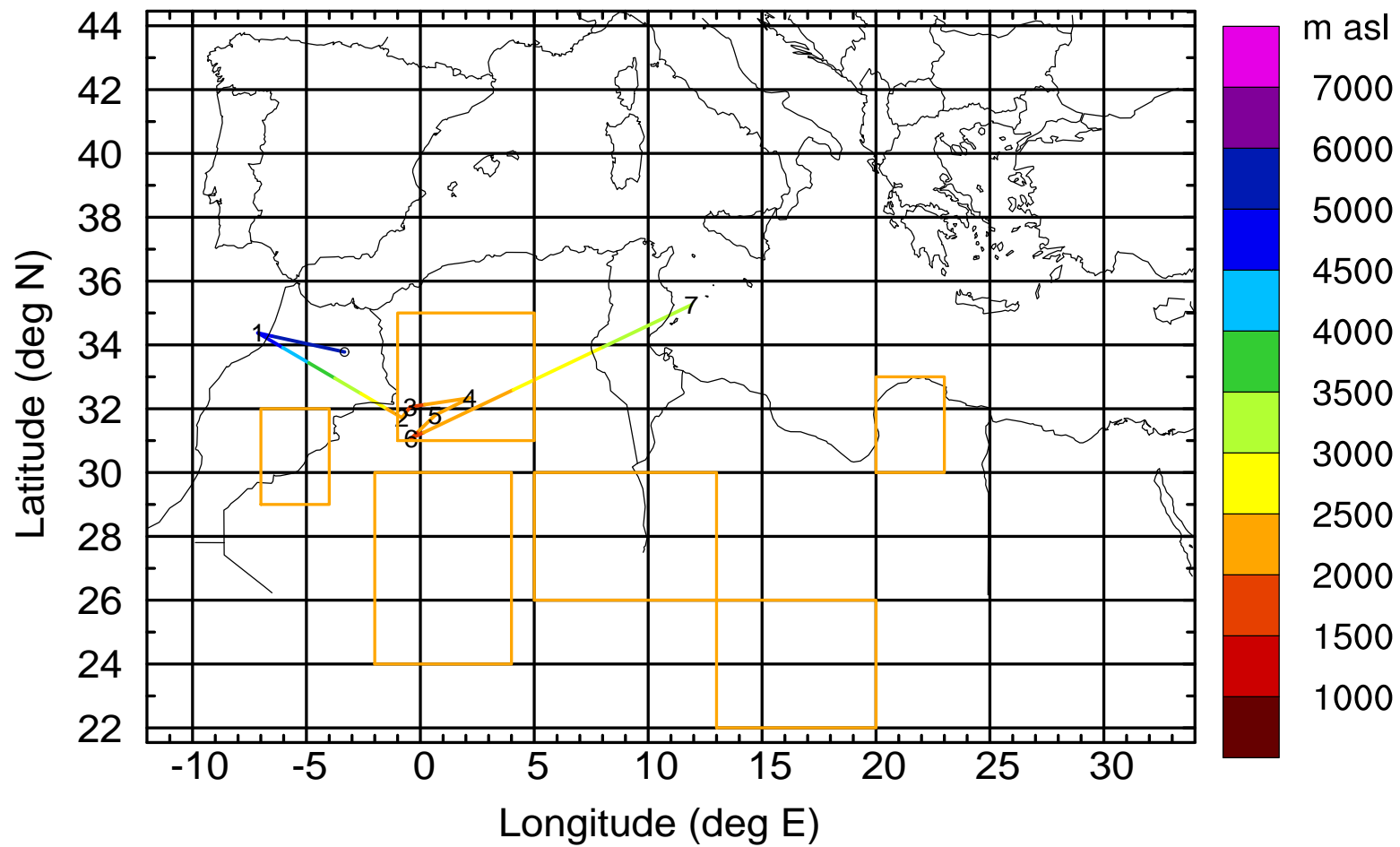
STS ground station 20170422

BWD 20170422/21-116H = 18/01 UTC



STS ground station 20170422

BWD 20170422/21-117H = 18/00 UTC





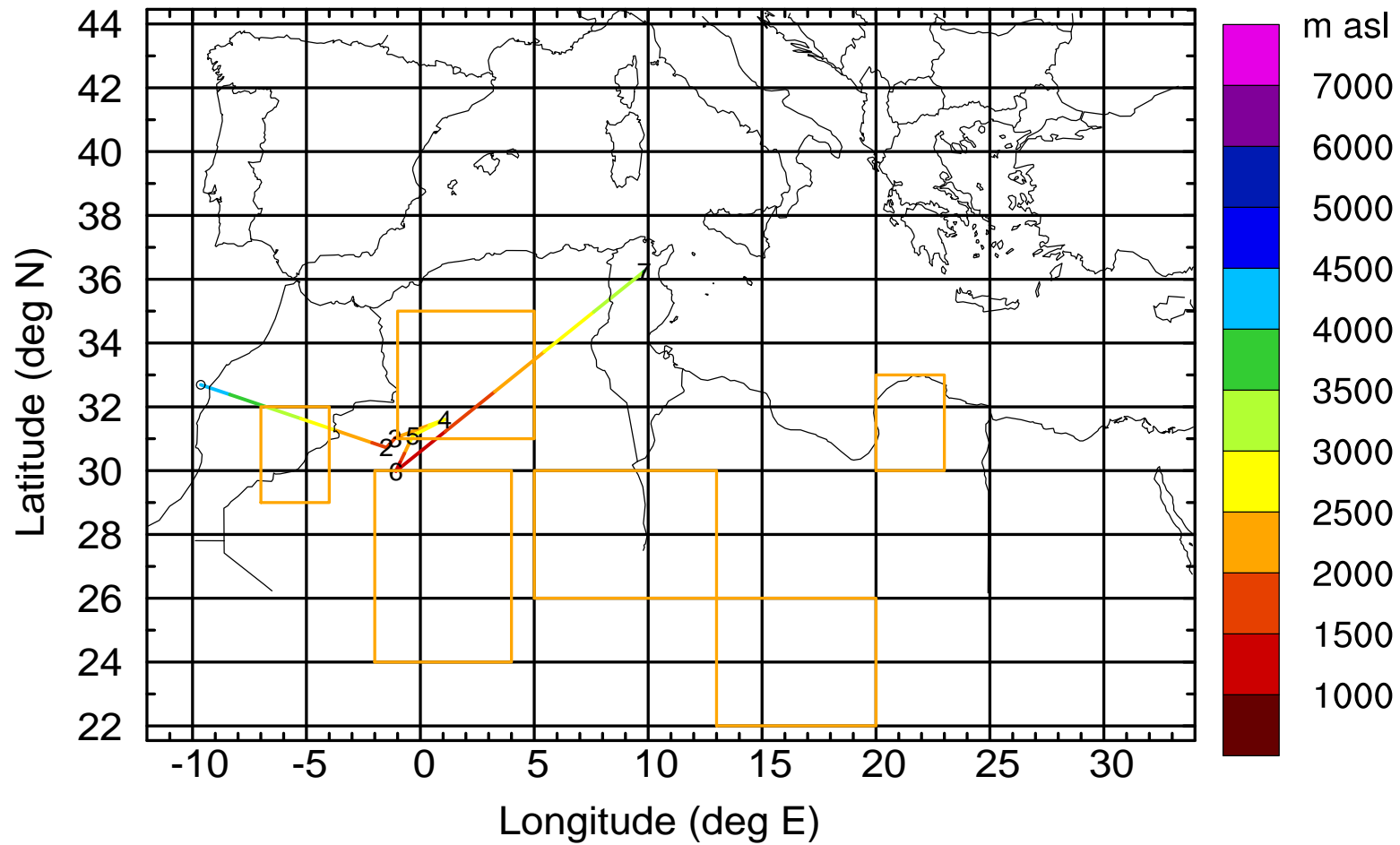






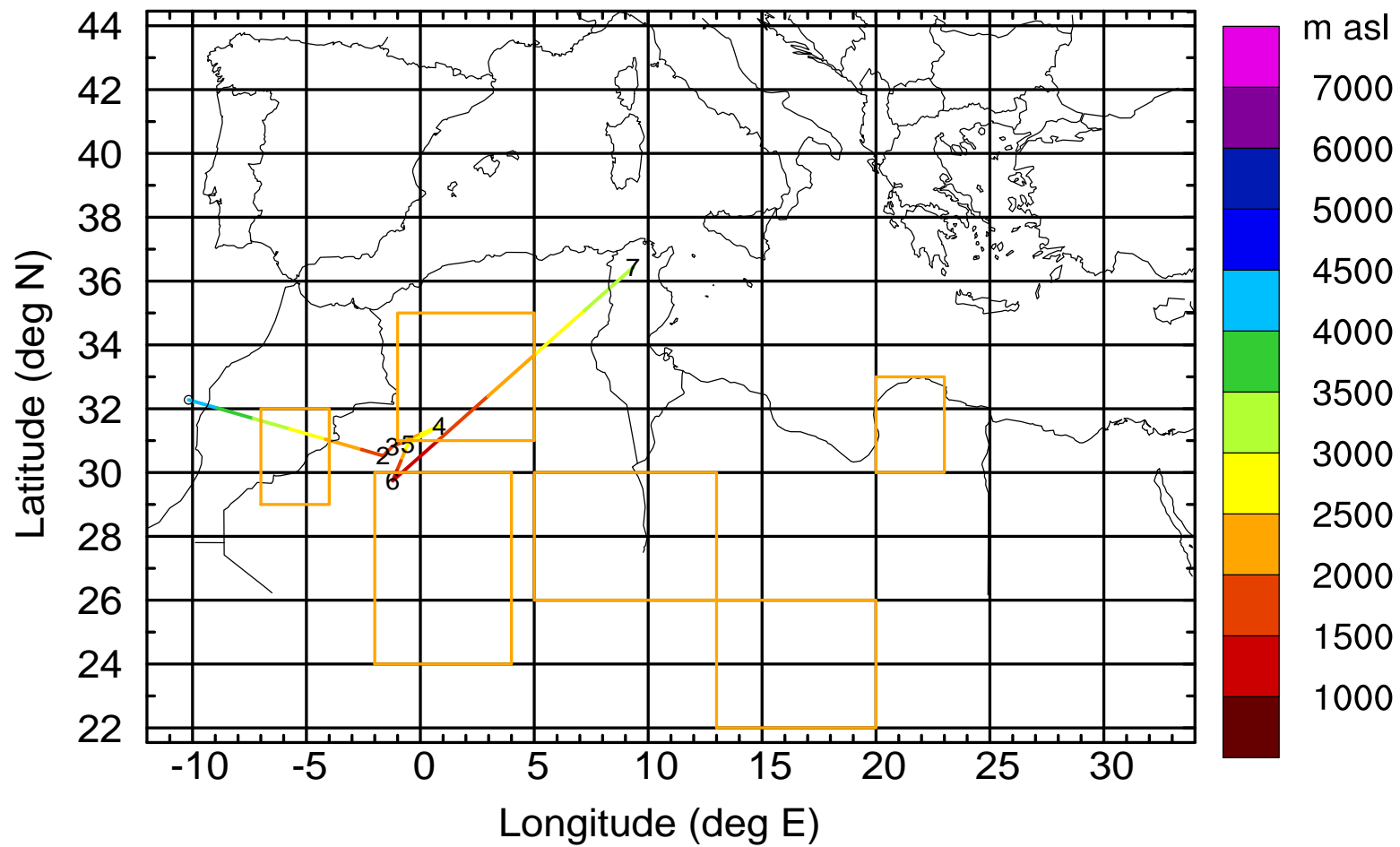
STS ground station 20170422

BWD 20170422/21-121H = 17/20 UTC



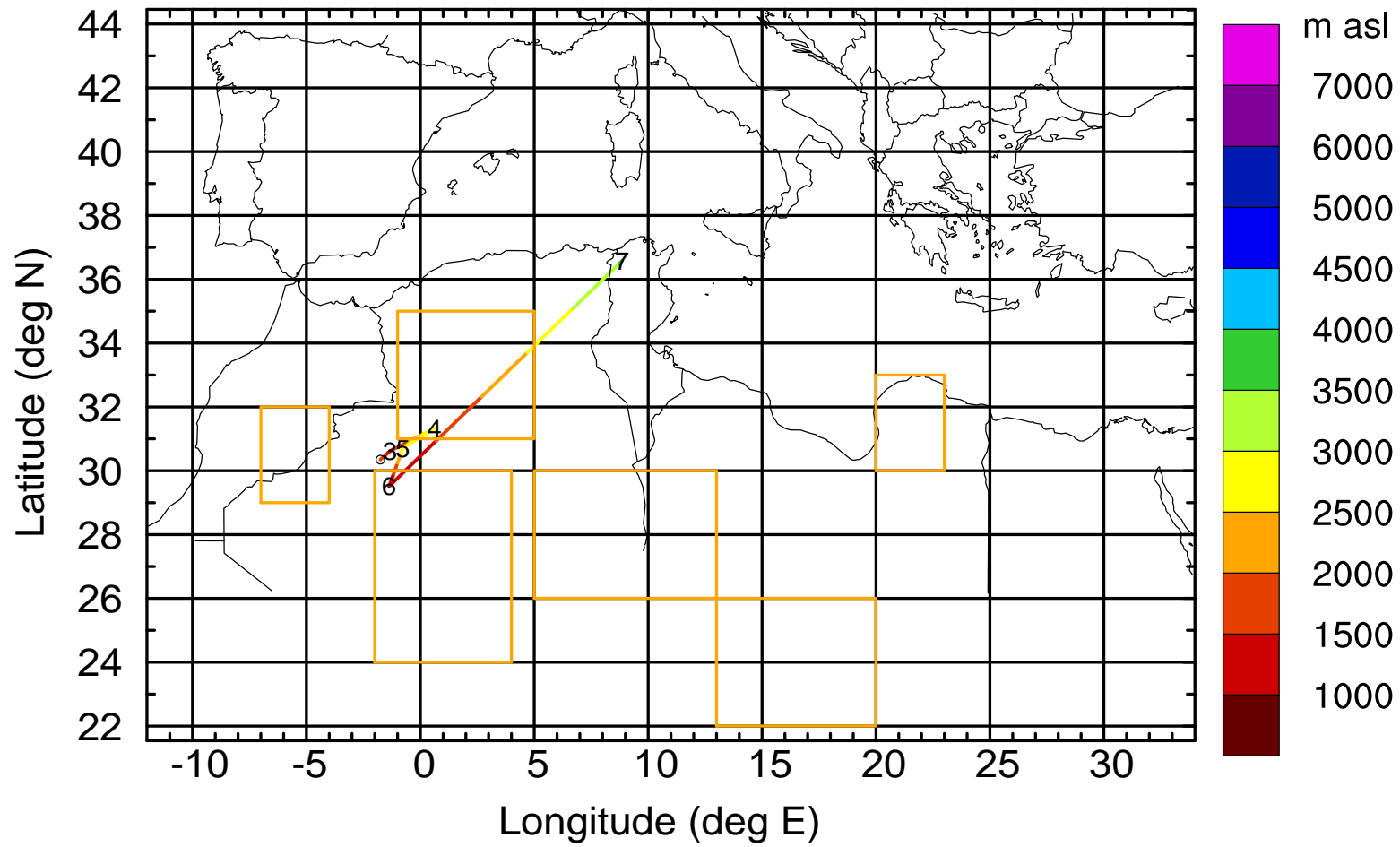
STS ground station 20170422

BWD 20170422/21-122H = 17/19 UTC



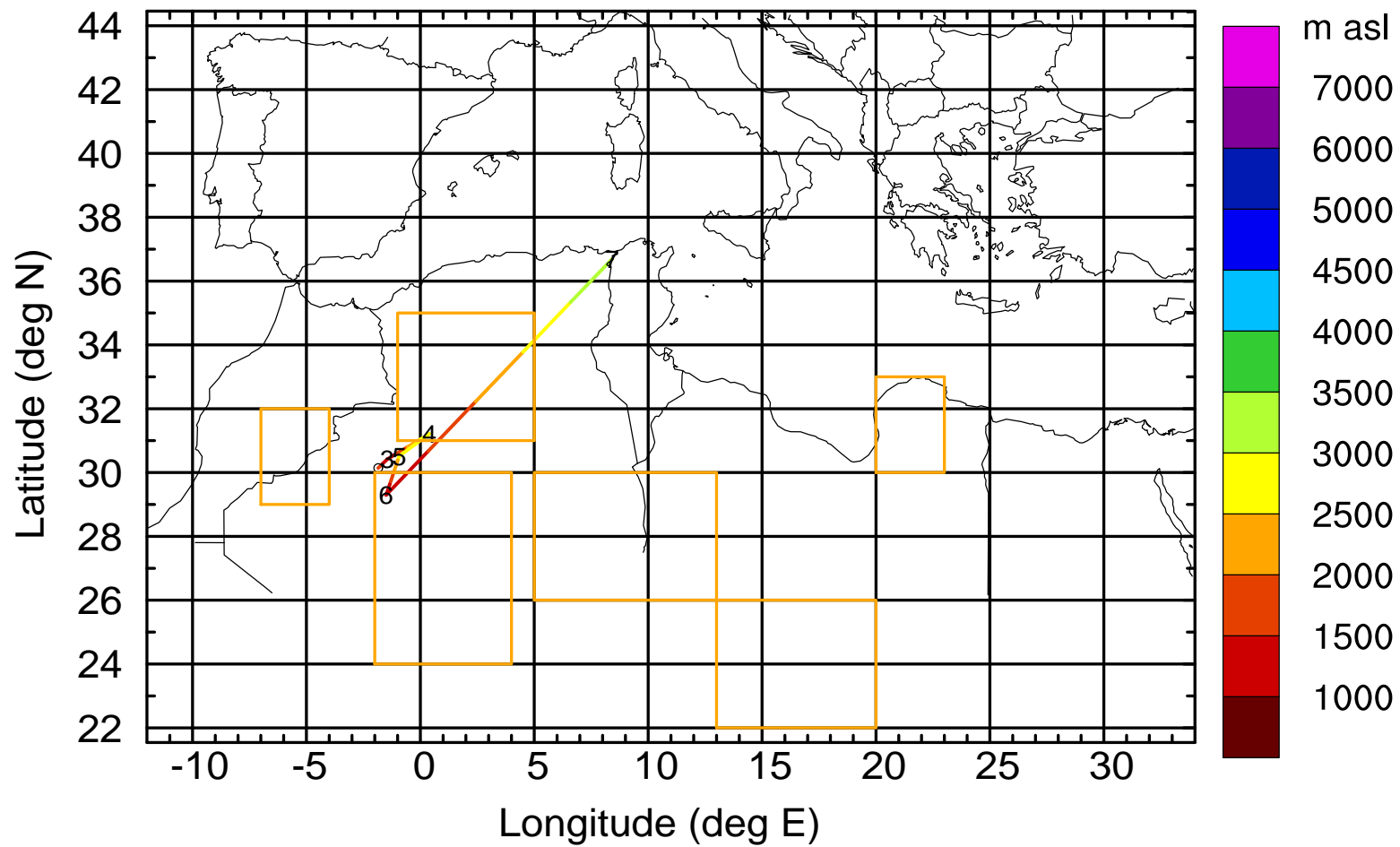
STS ground station 20170422

BWD 20170422/21-123H = 17/18 UTC



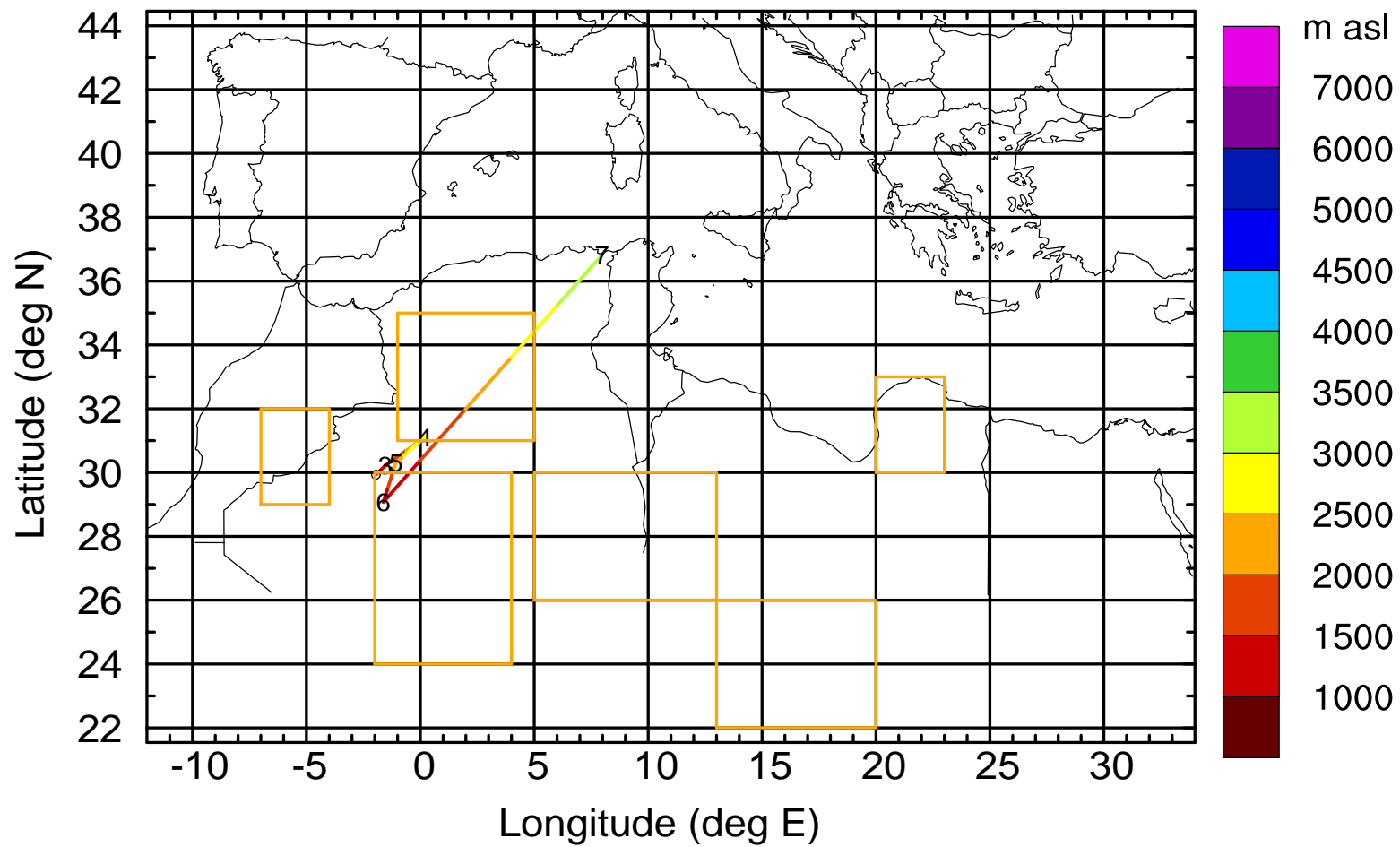
STS ground station 20170422

BWD 20170422/21-124H = 17/17 UTC



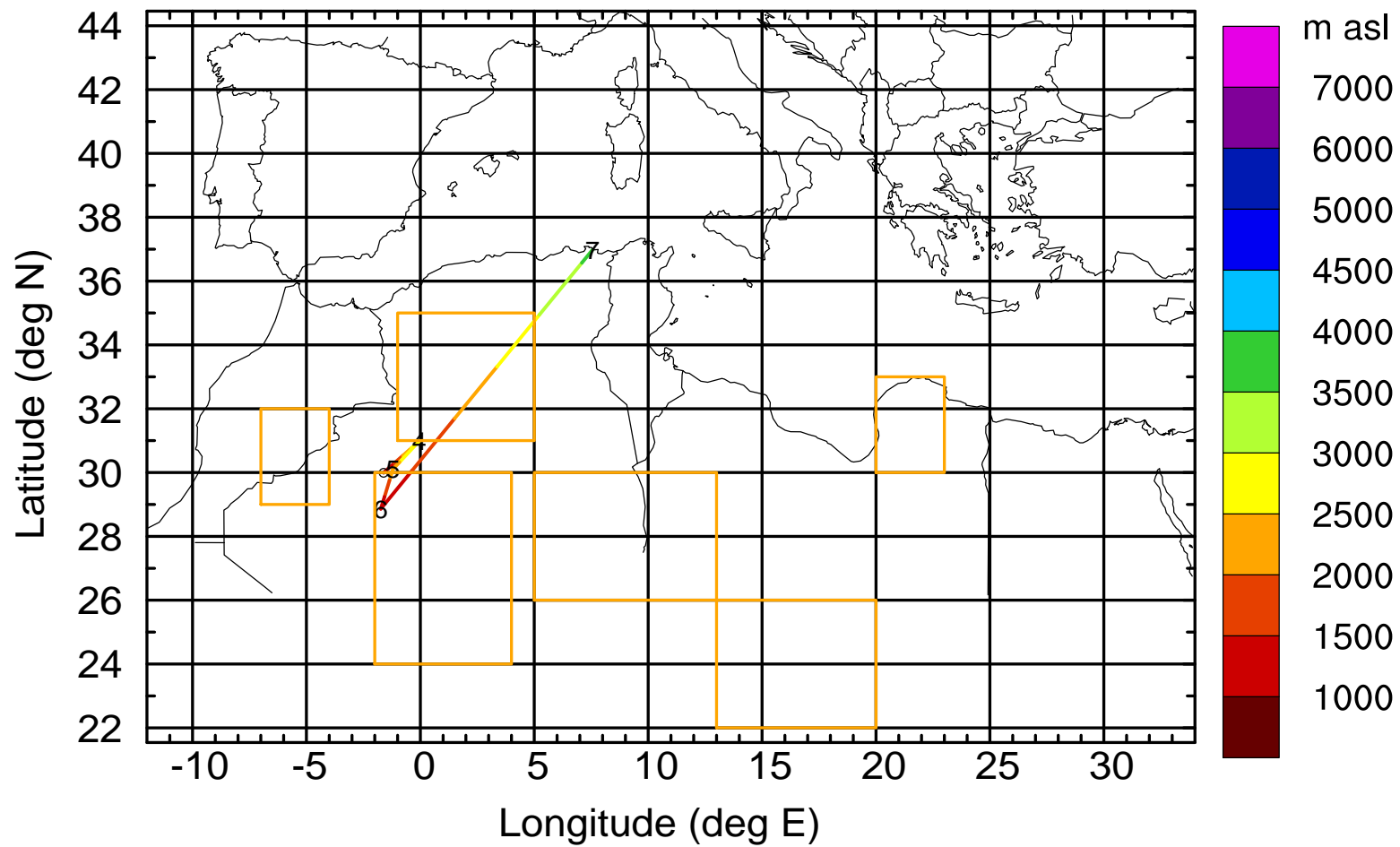
STS ground station 20170422

BWD 20170422/21-125H = 17/16 UTC



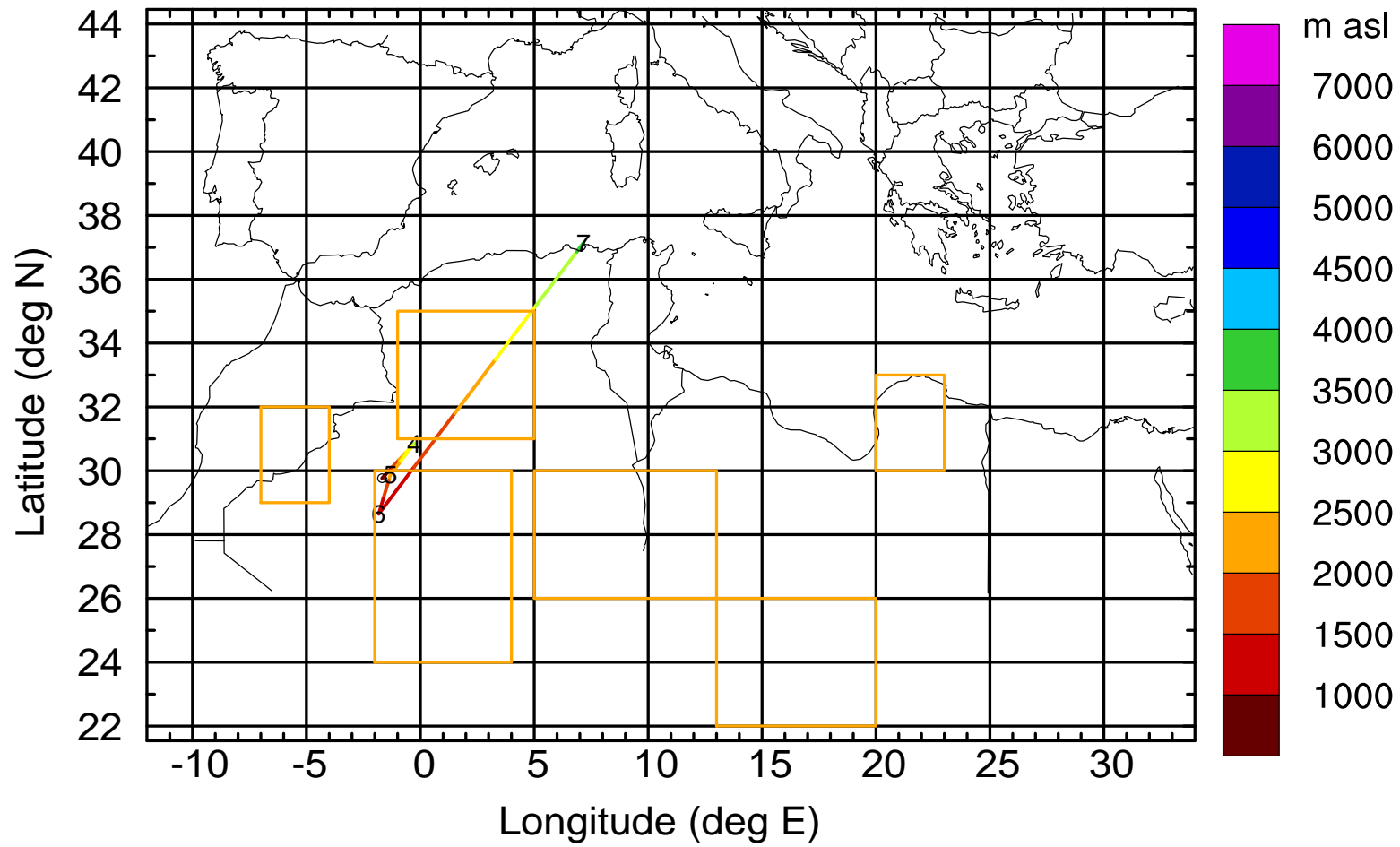
STS ground station 20170422

BWD 20170422/21-126H = 17/15 UTC



STS ground station 20170422

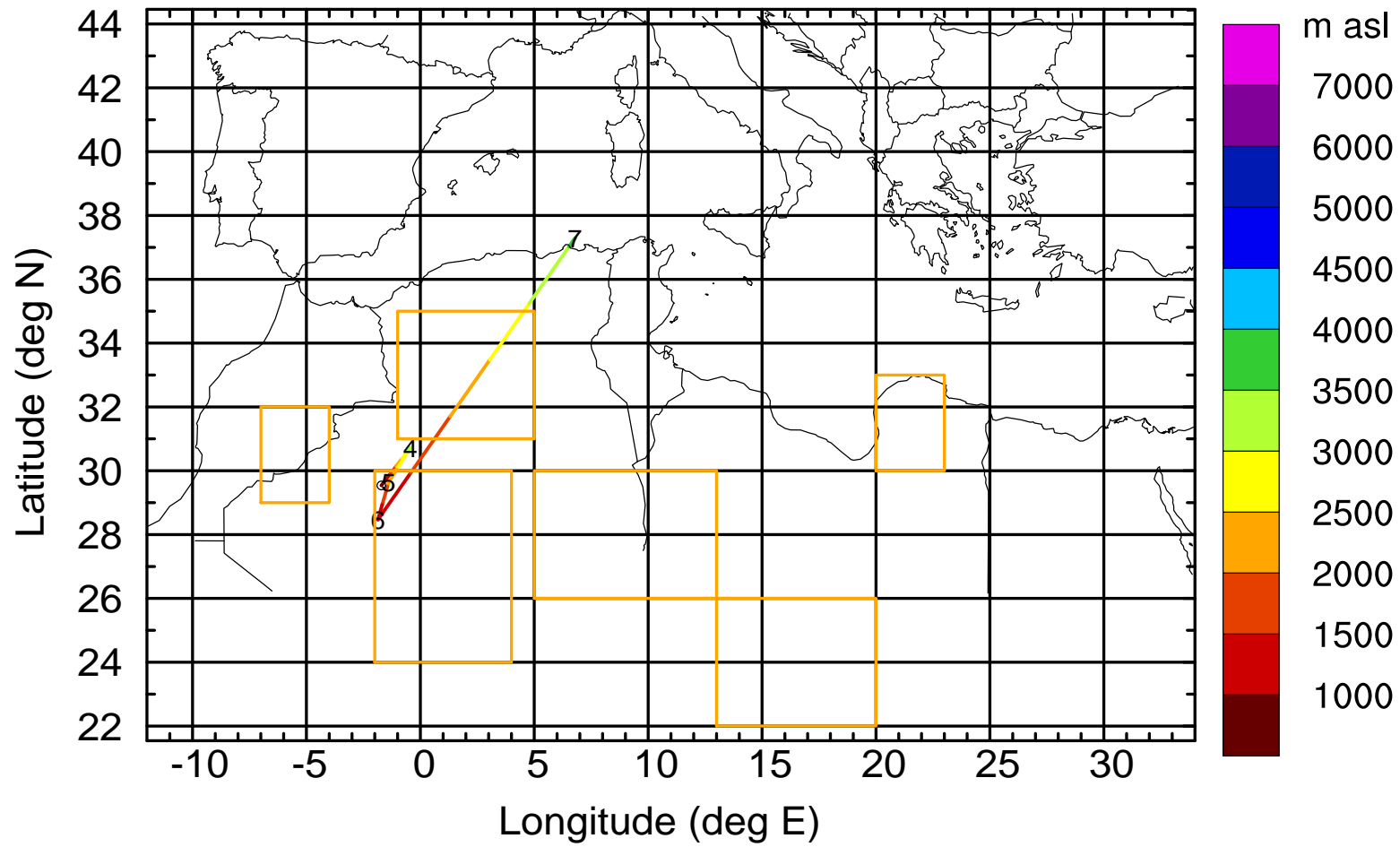
BWD 20170422/21-127H = 17/14 UTC





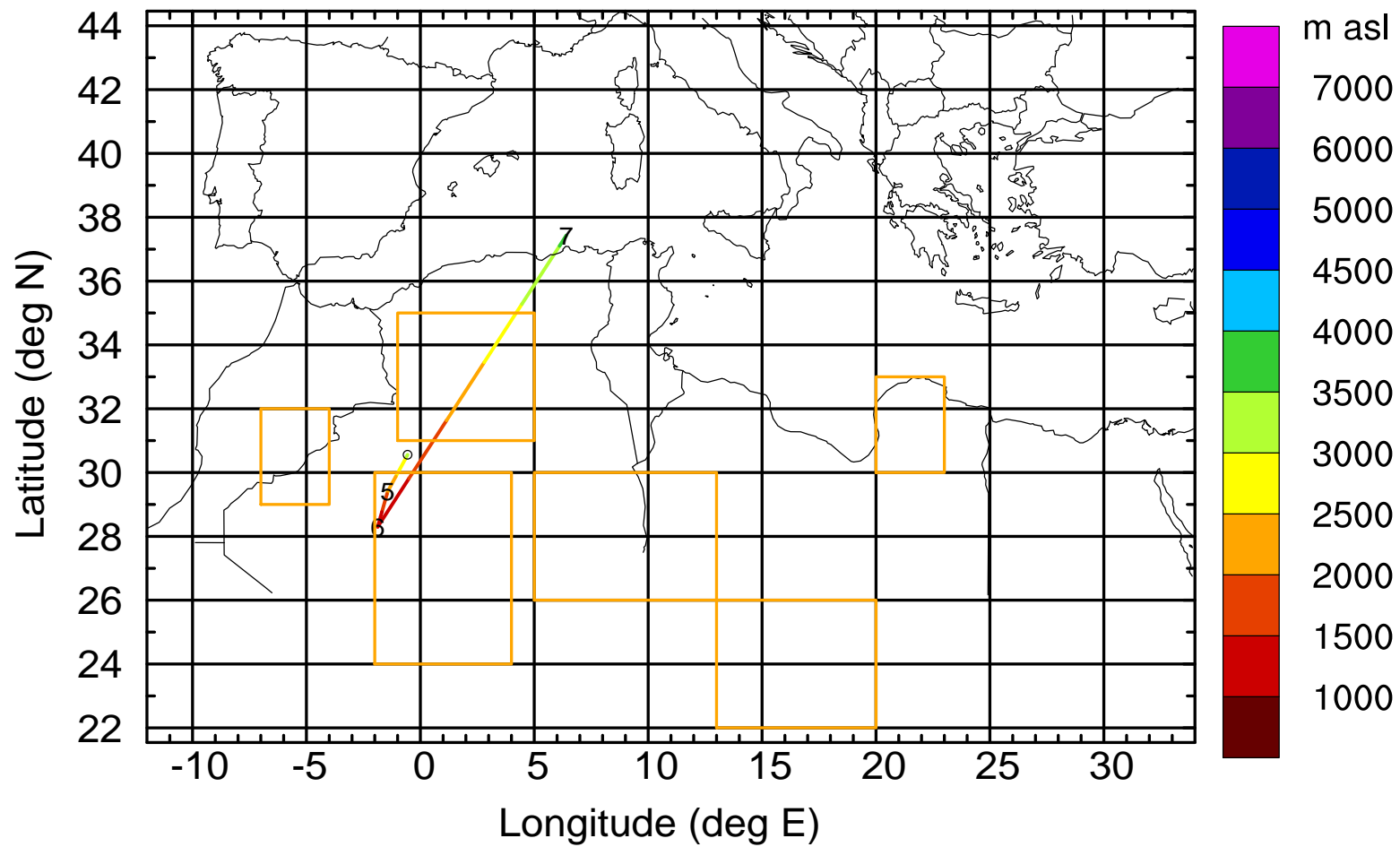
STS ground station 20170422

BWD 20170422/21-128H = 17/13 UTC



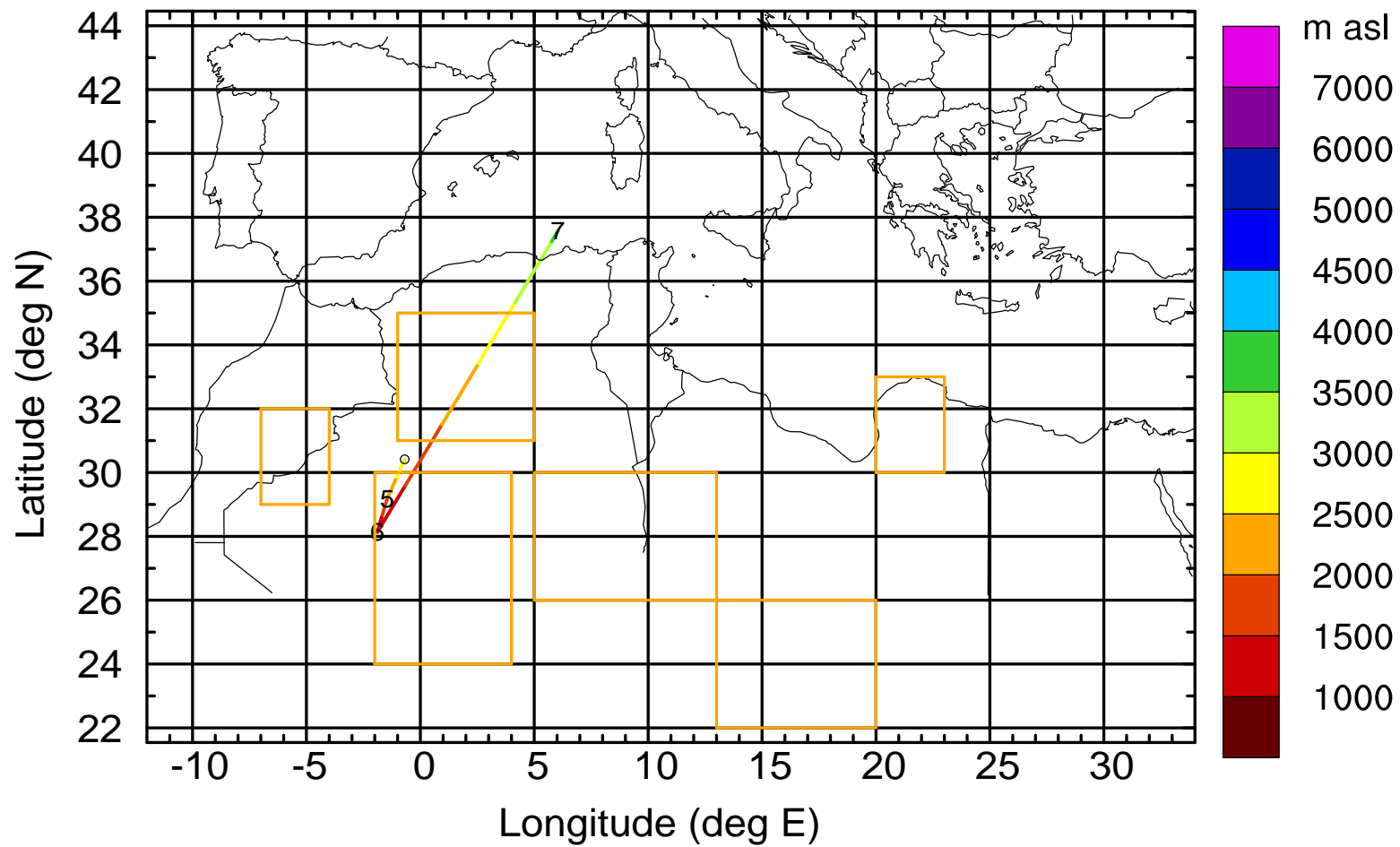
STS ground station 20170422

BWD 20170422/21-129H = 17/12 UTC



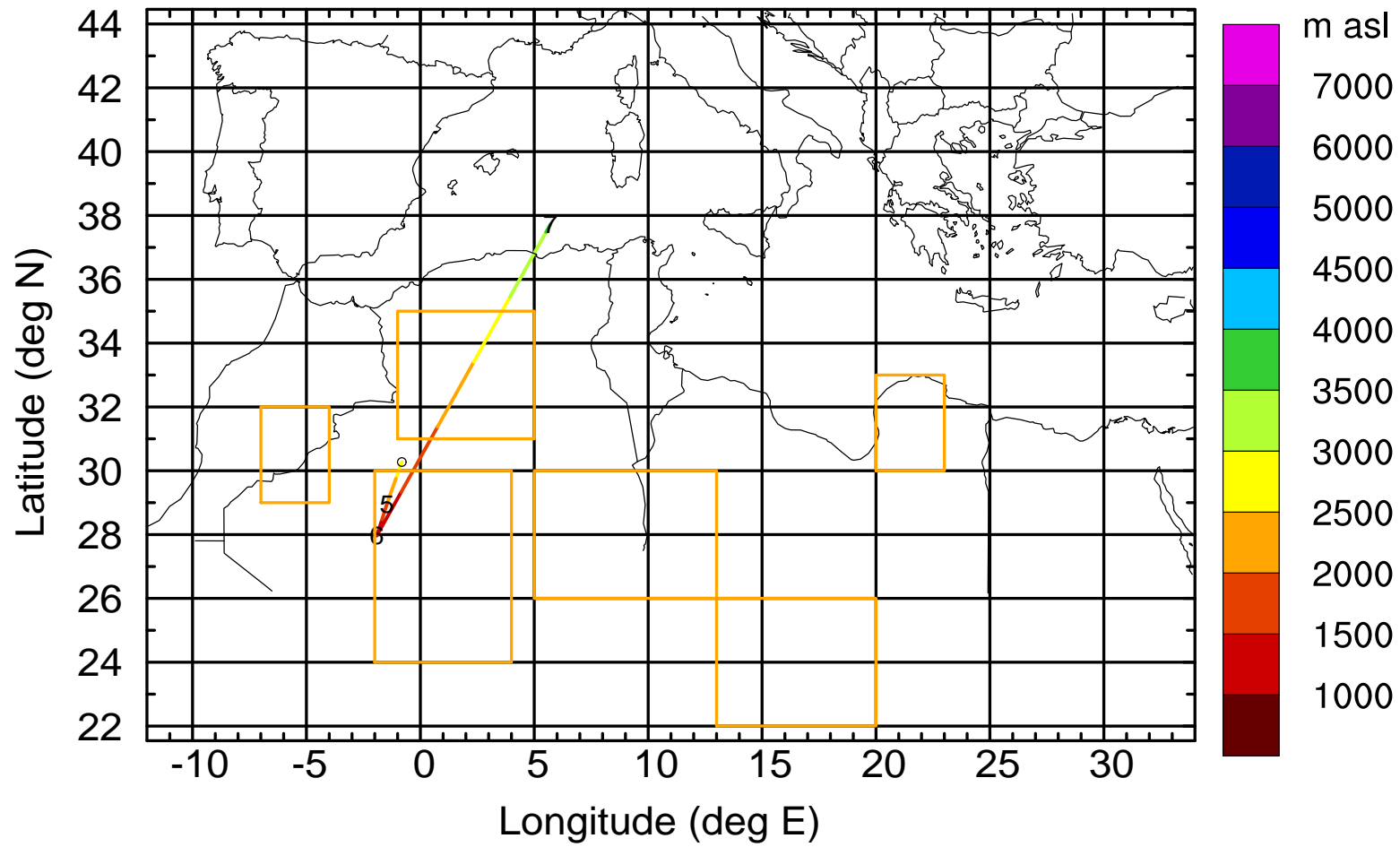
STS ground station 20170422

BWD 20170422/21-130H = 17/11 UTC



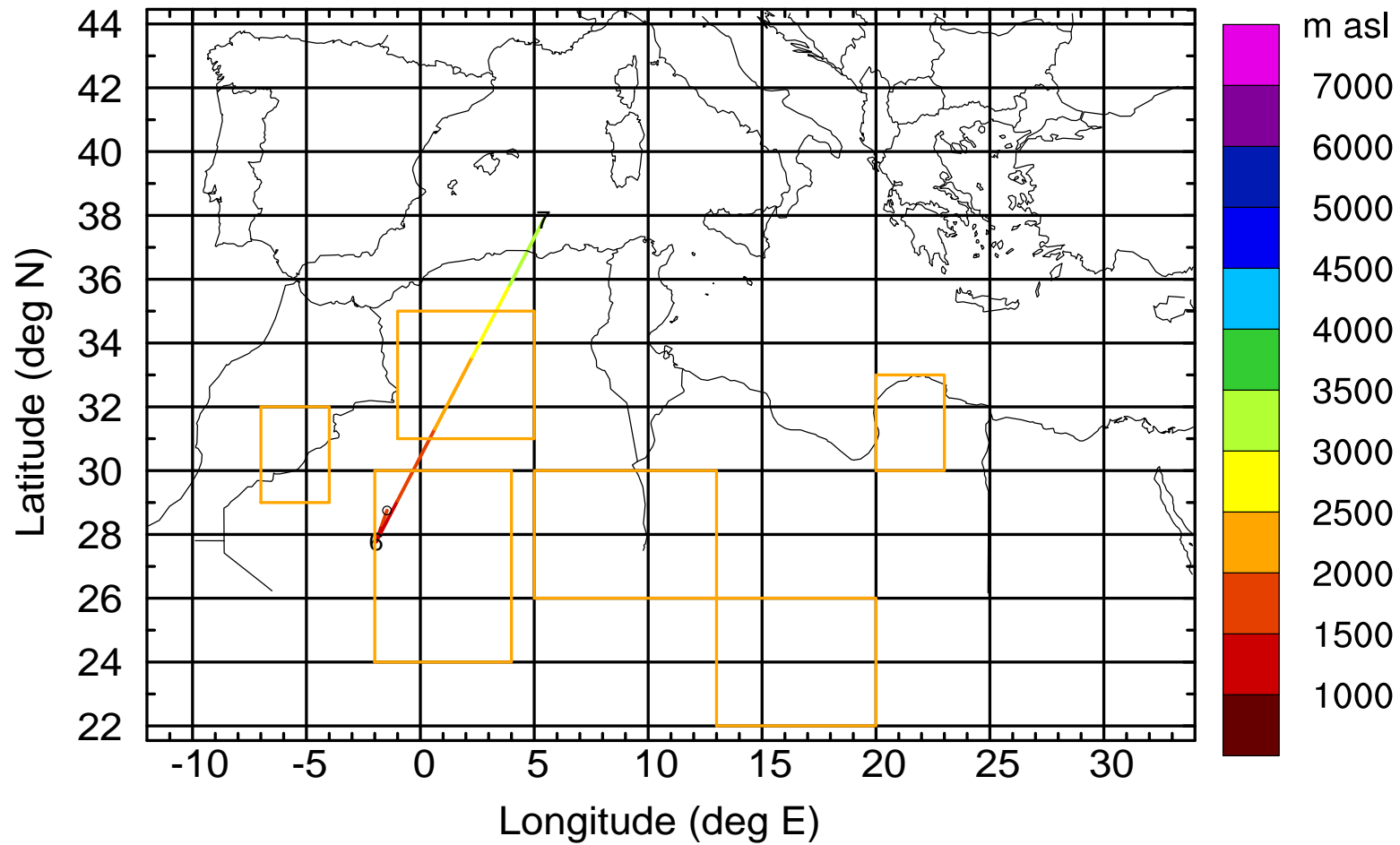
STS ground station 20170422

BWD 20170422/21-131H = 17/10 UTC



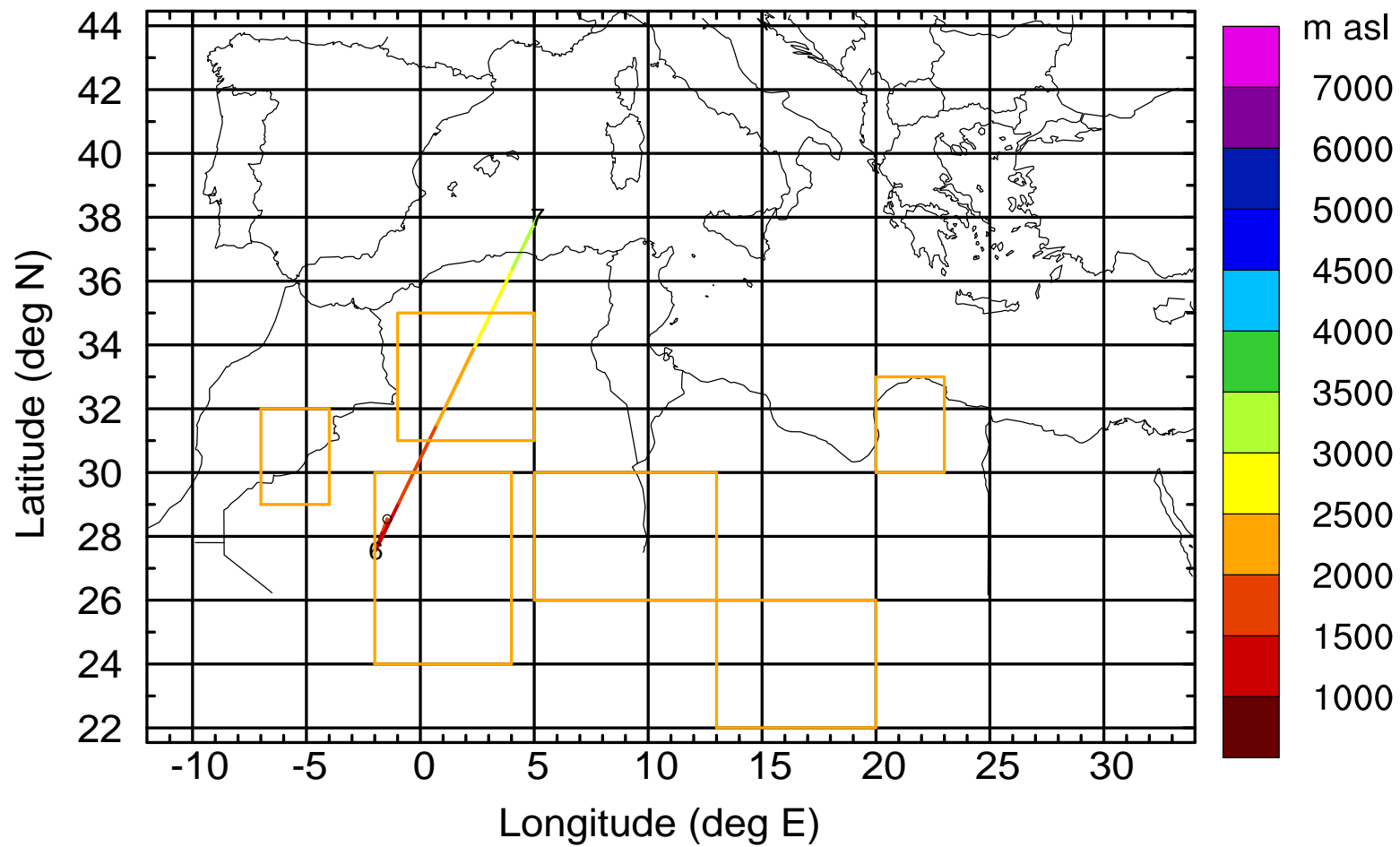
STS ground station 20170422

BWD 20170422/21-132H = 17/09 UTC



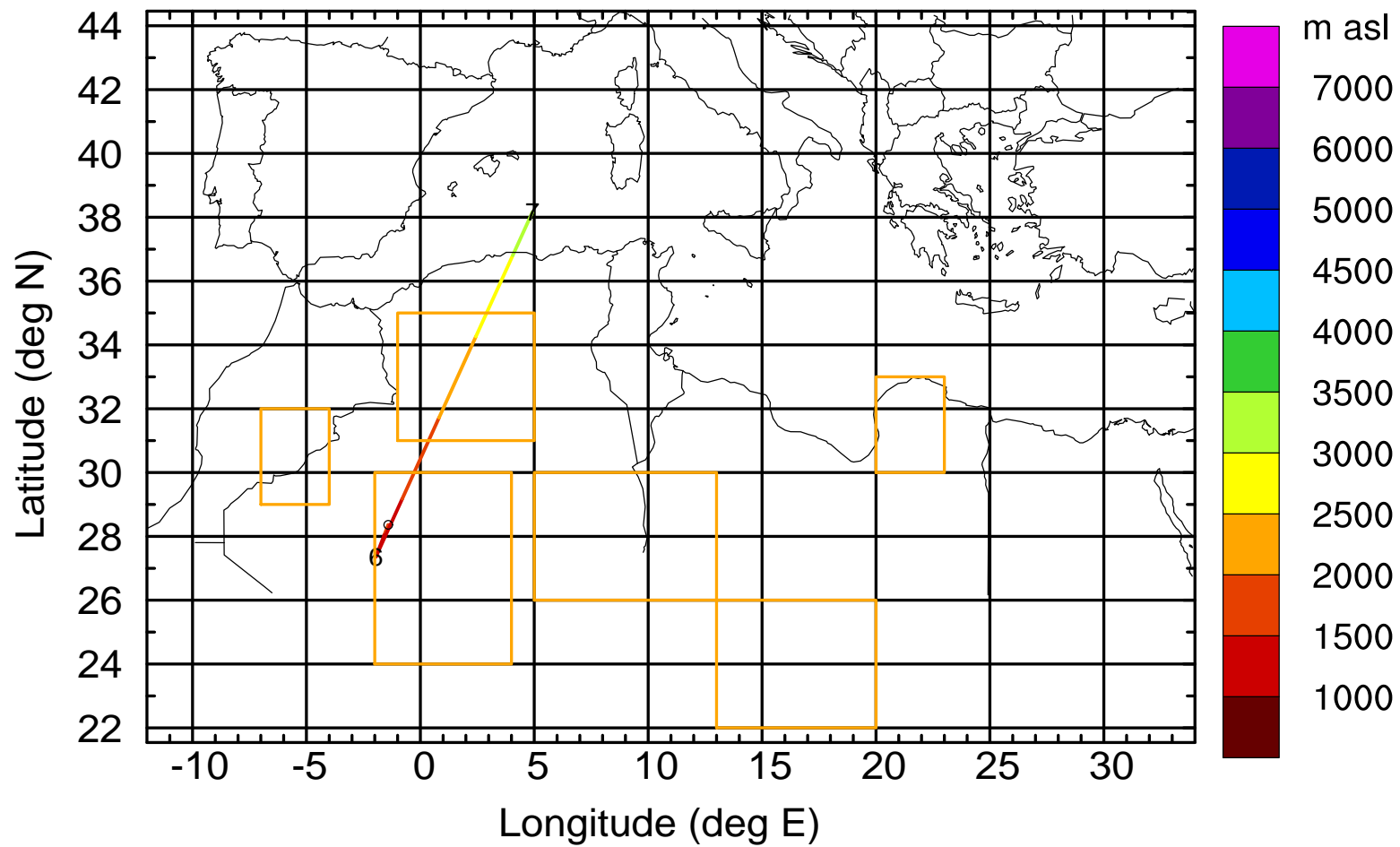
STS ground station 20170422

BWD 20170422/21-133H = 17/08 UTC



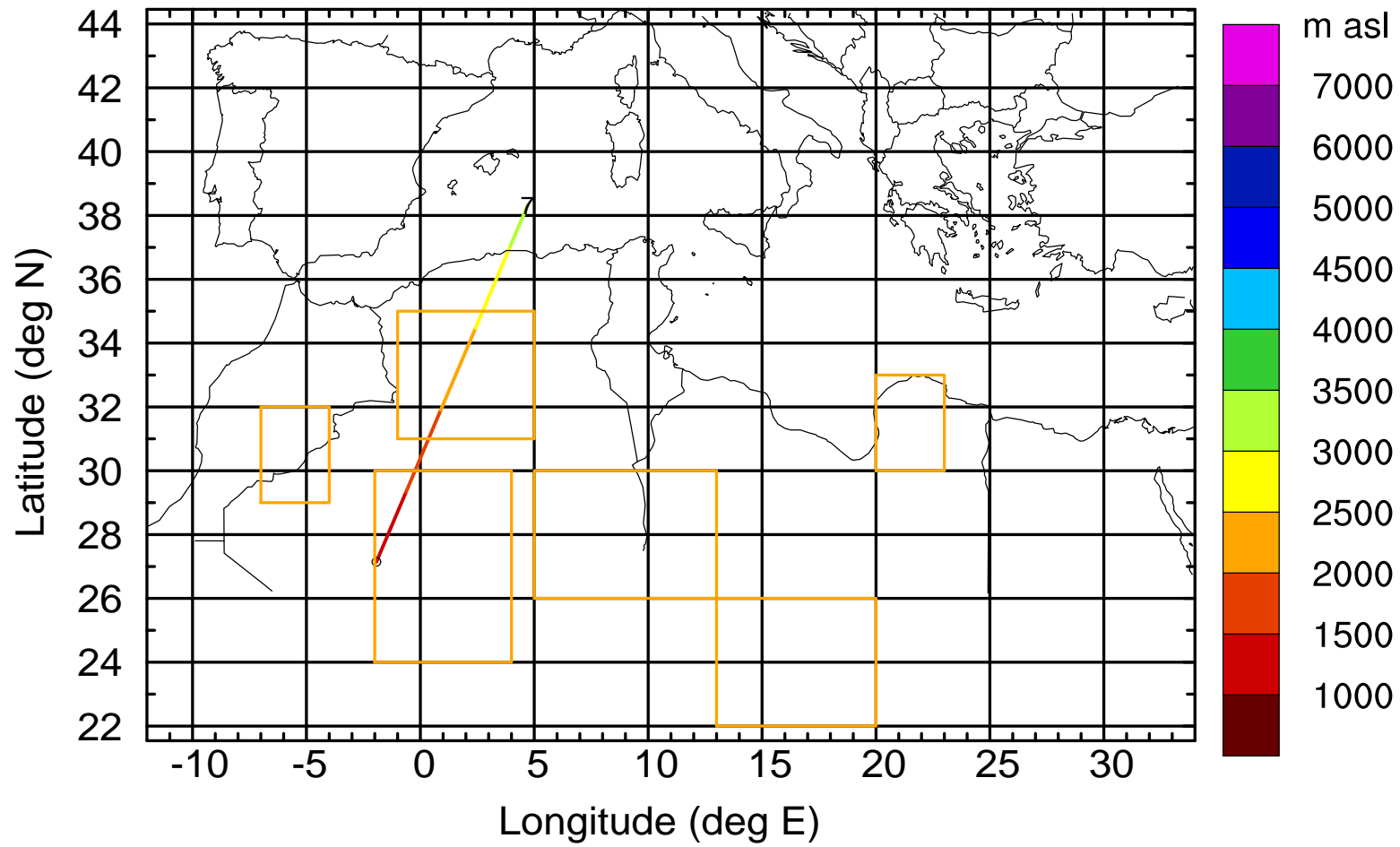
STS ground station 20170422

BWD 20170422/21-134H = 17/07 UTC



STS ground station 20170422

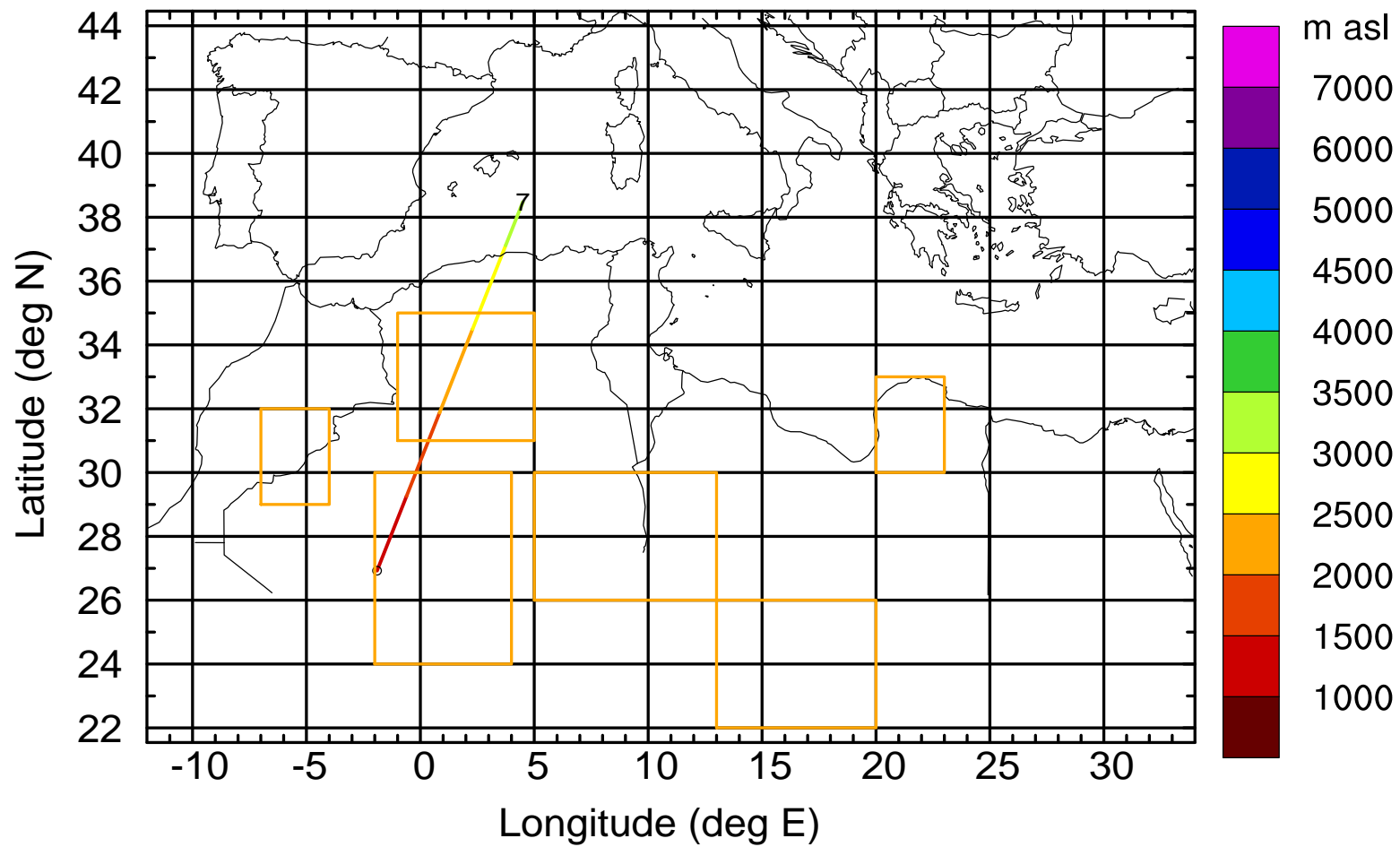
BWD 20170422/21-135H = 17/06 UTC





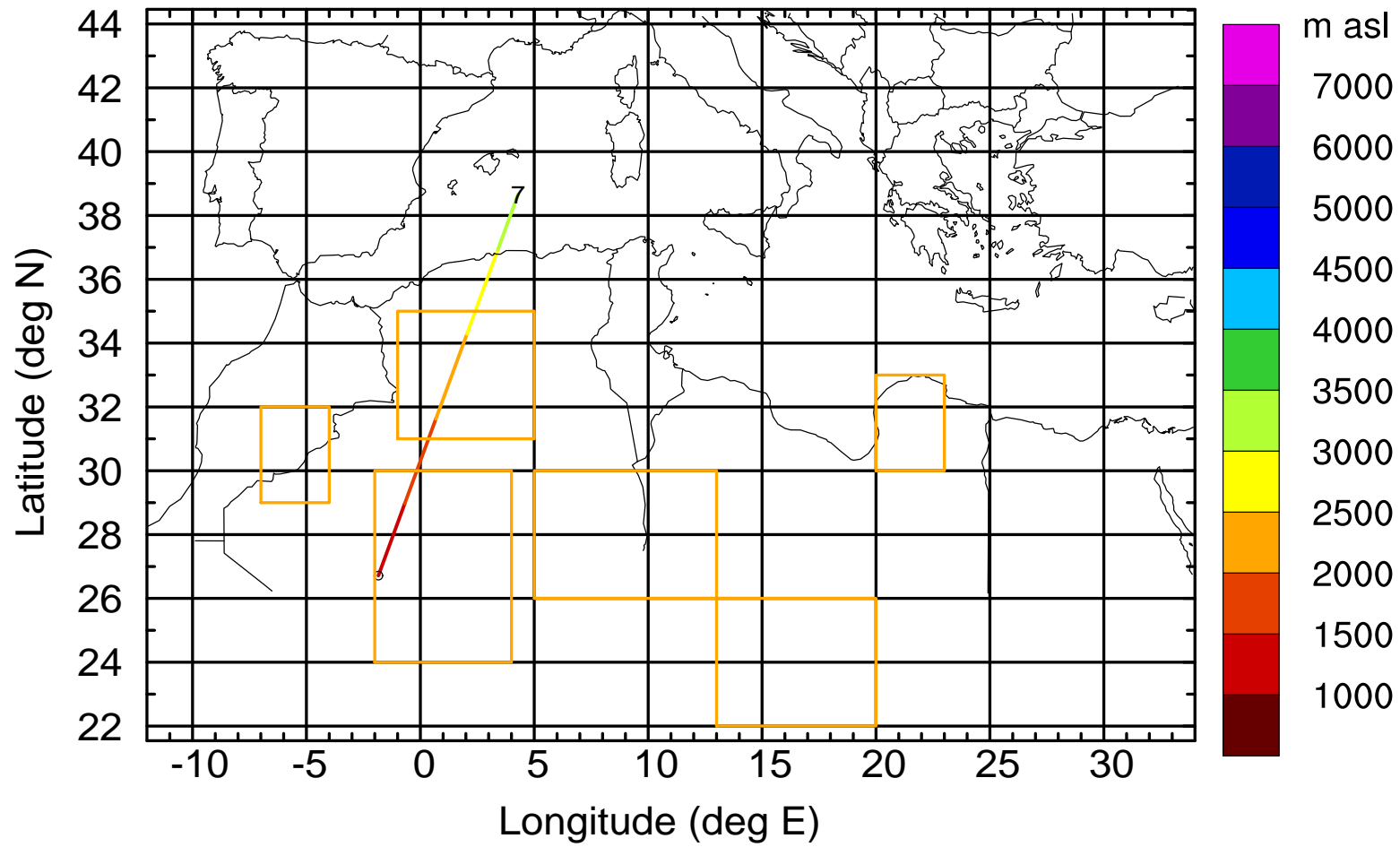
STS ground station 20170422

BWD 20170422/21-136H = 17/05 UTC



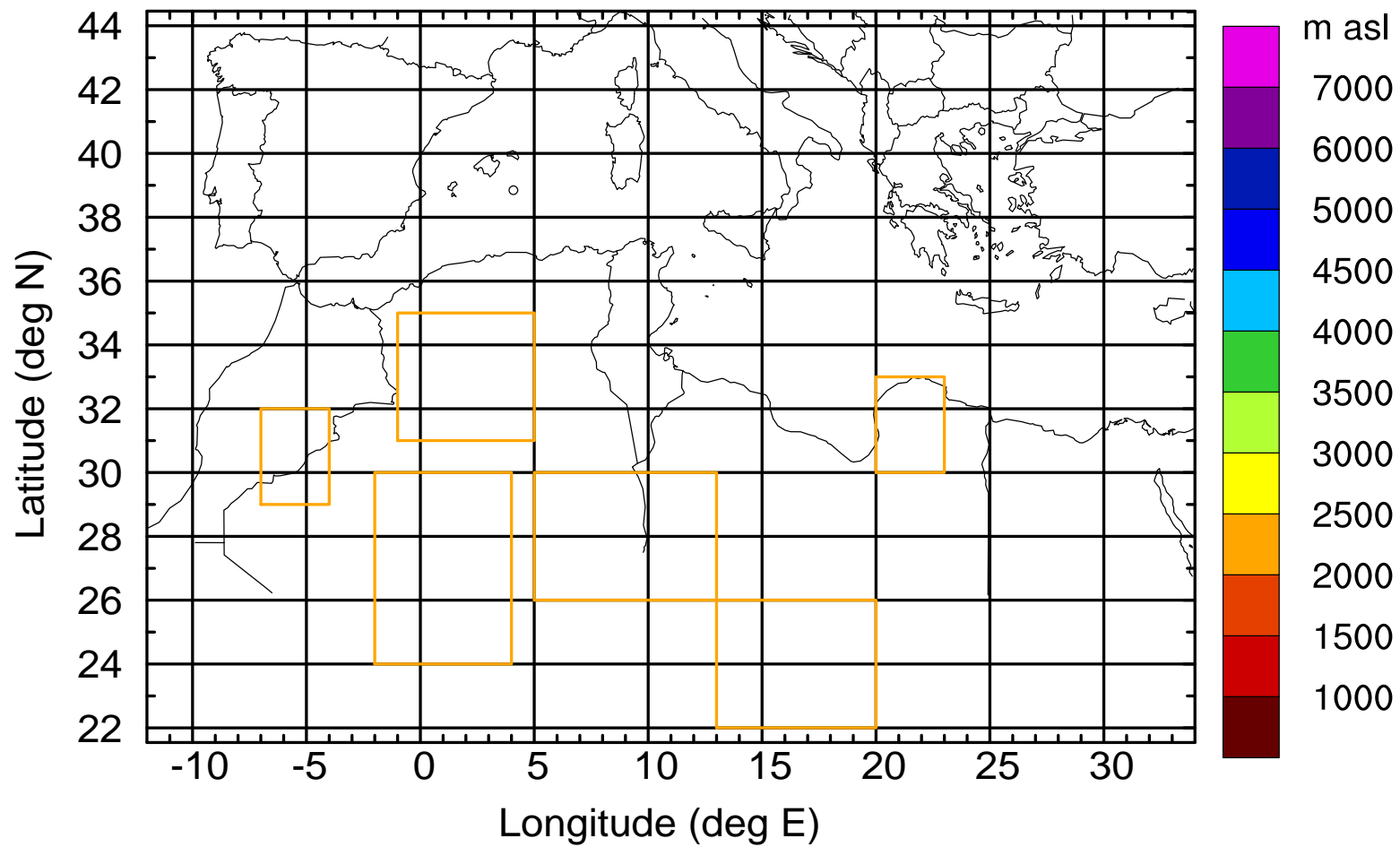
STS ground station 20170422

BWD 20170422/21-137H = 17/04 UTC



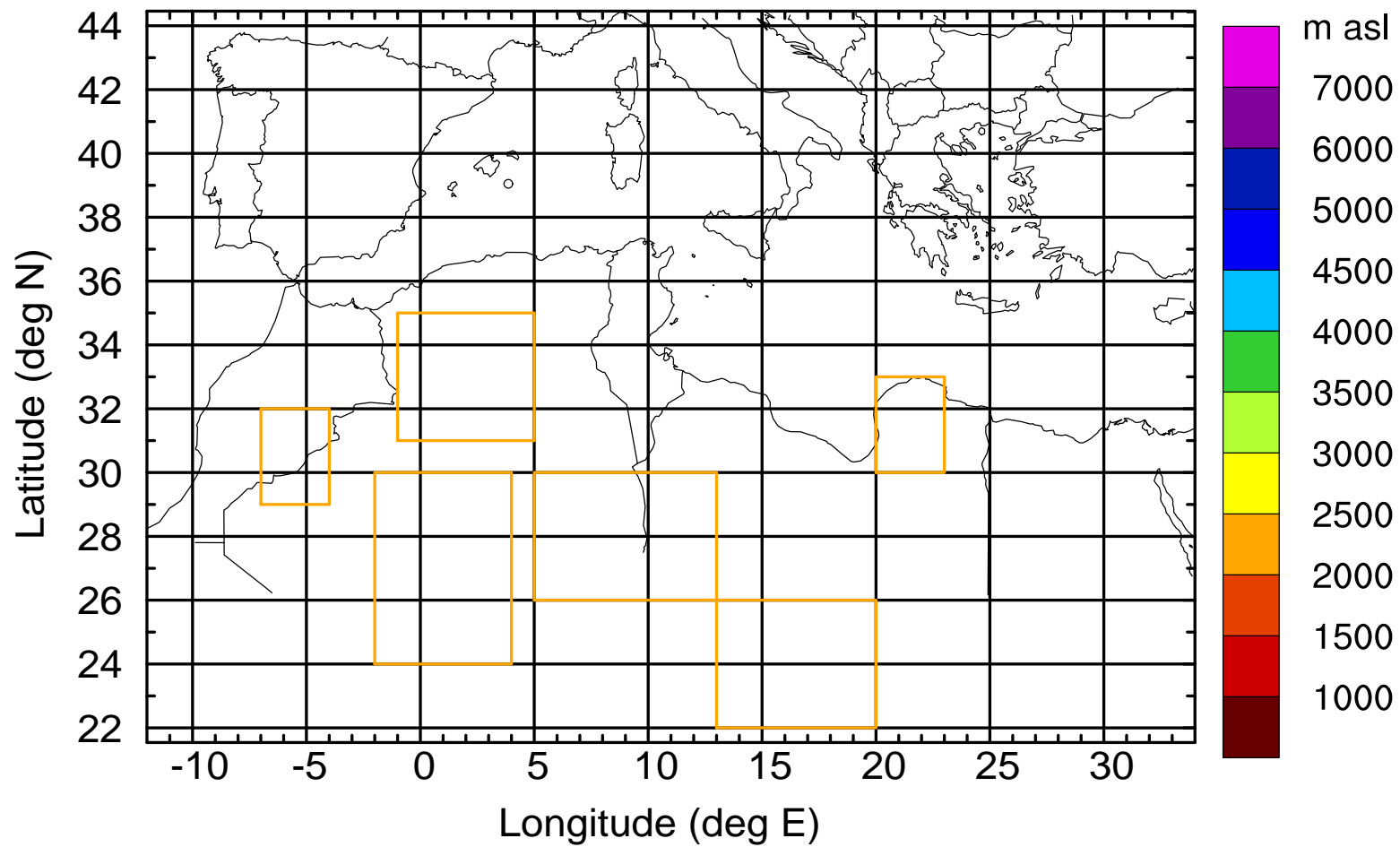
STS ground station 20170422

BWD 20170422/21-137H = 17/04 UTC



STS ground station 20170422

BWD 20170422/21-137H = 17/04 UTC





STS ground station 20170422

BWD 20170422/21-137H = 17/04 UTC

