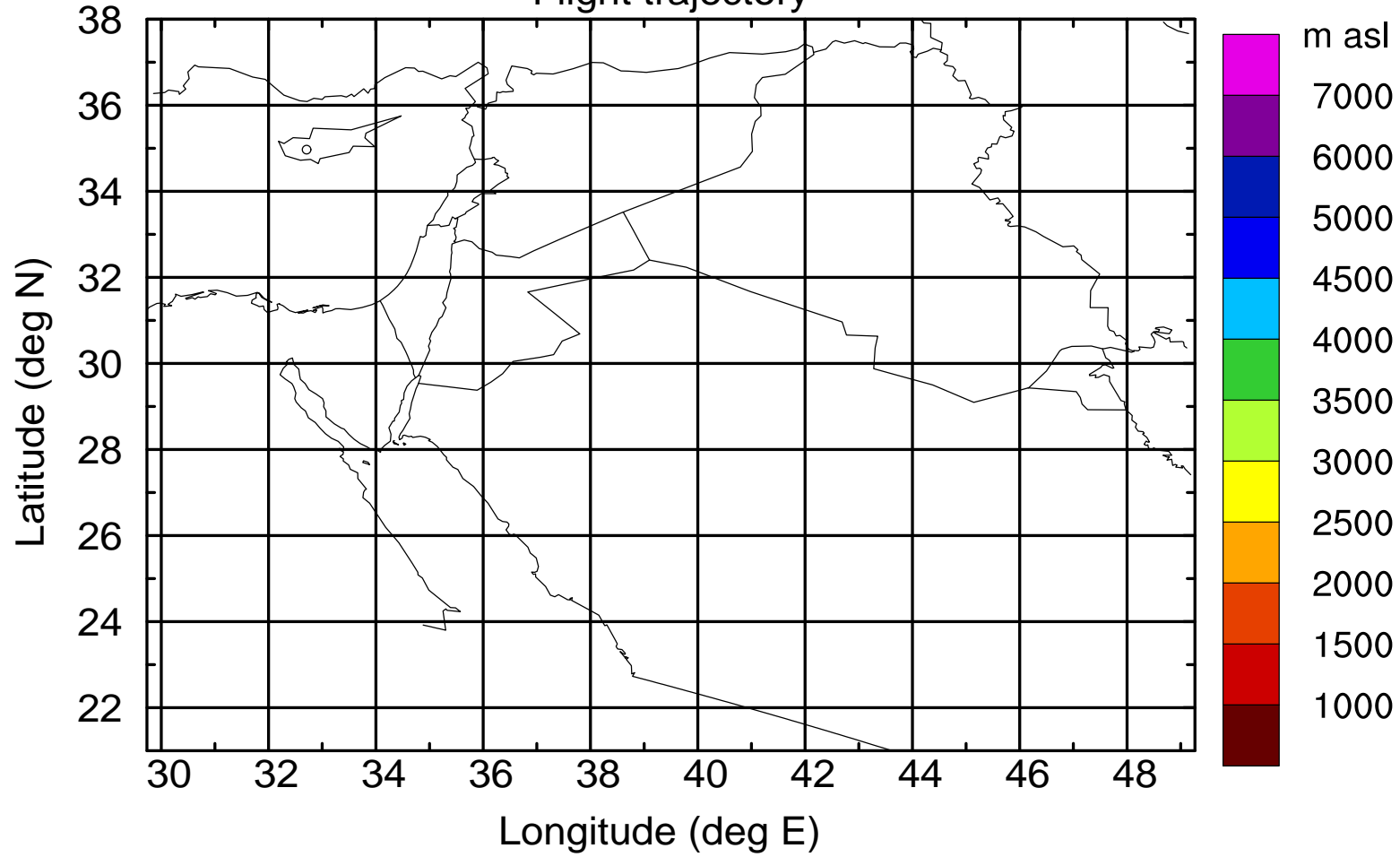


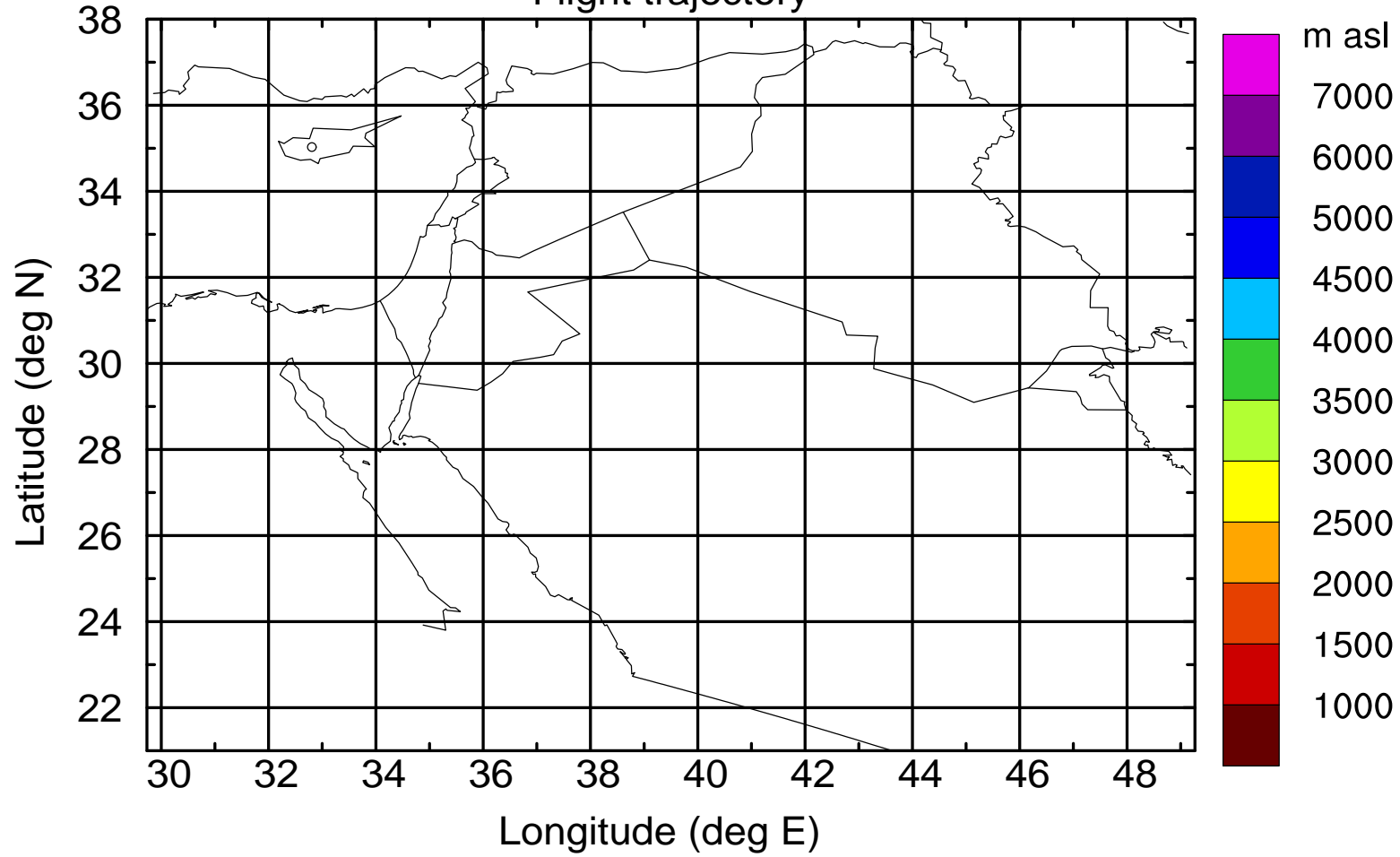
STS ground station 20170430

Flight trajectory



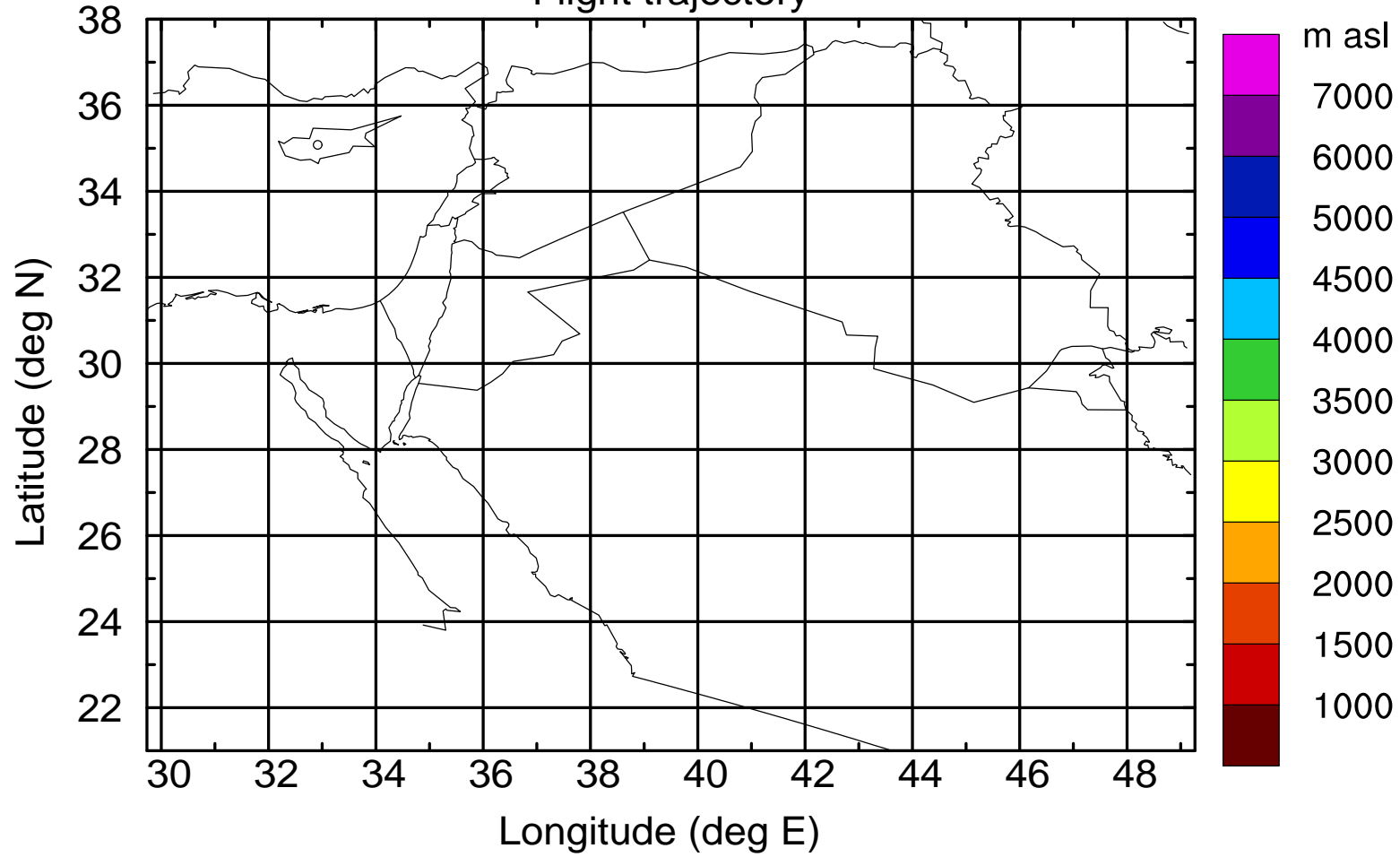
STS ground station 20170430

Flight trajectory



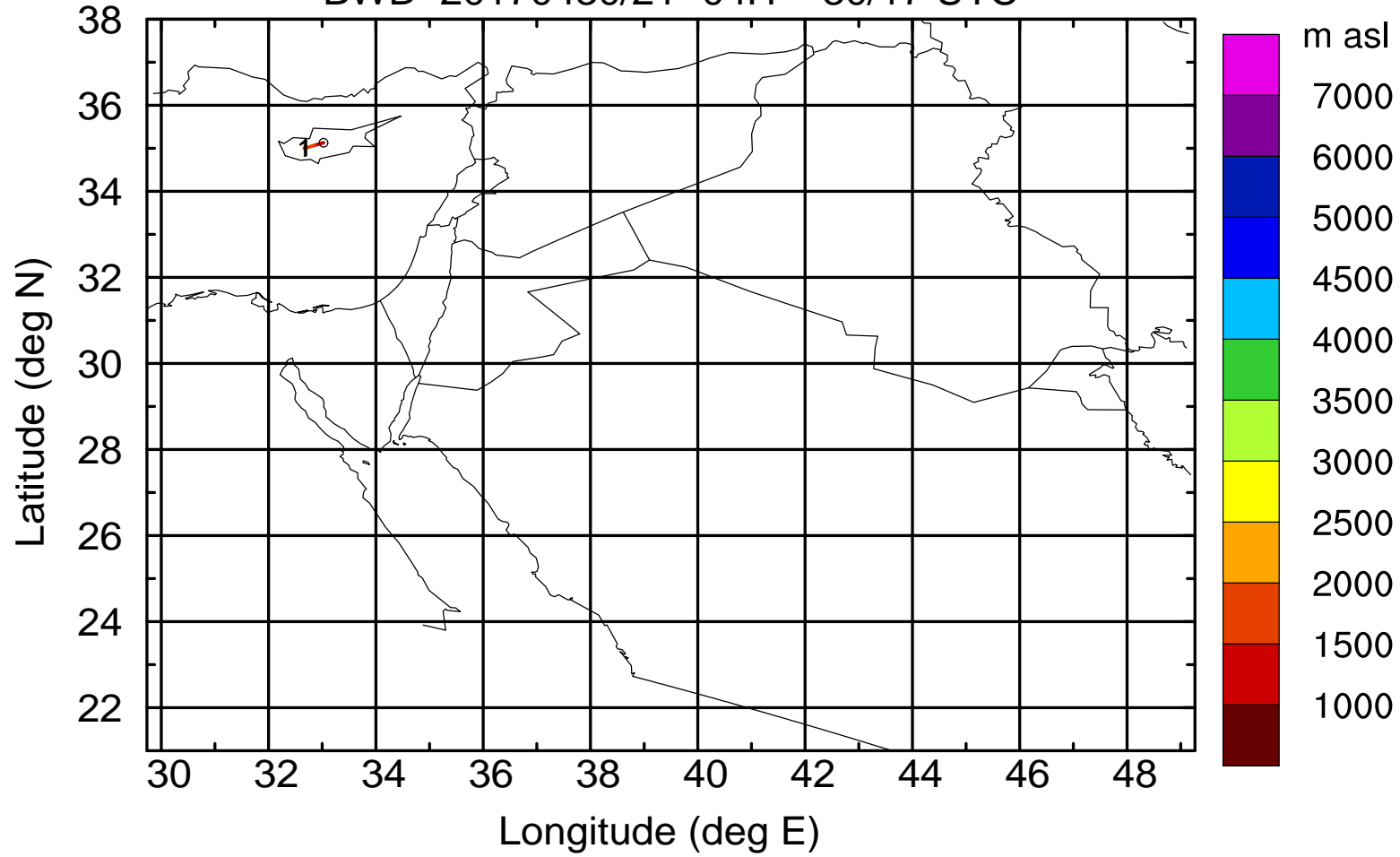
STS ground station 20170430

Flight trajectory



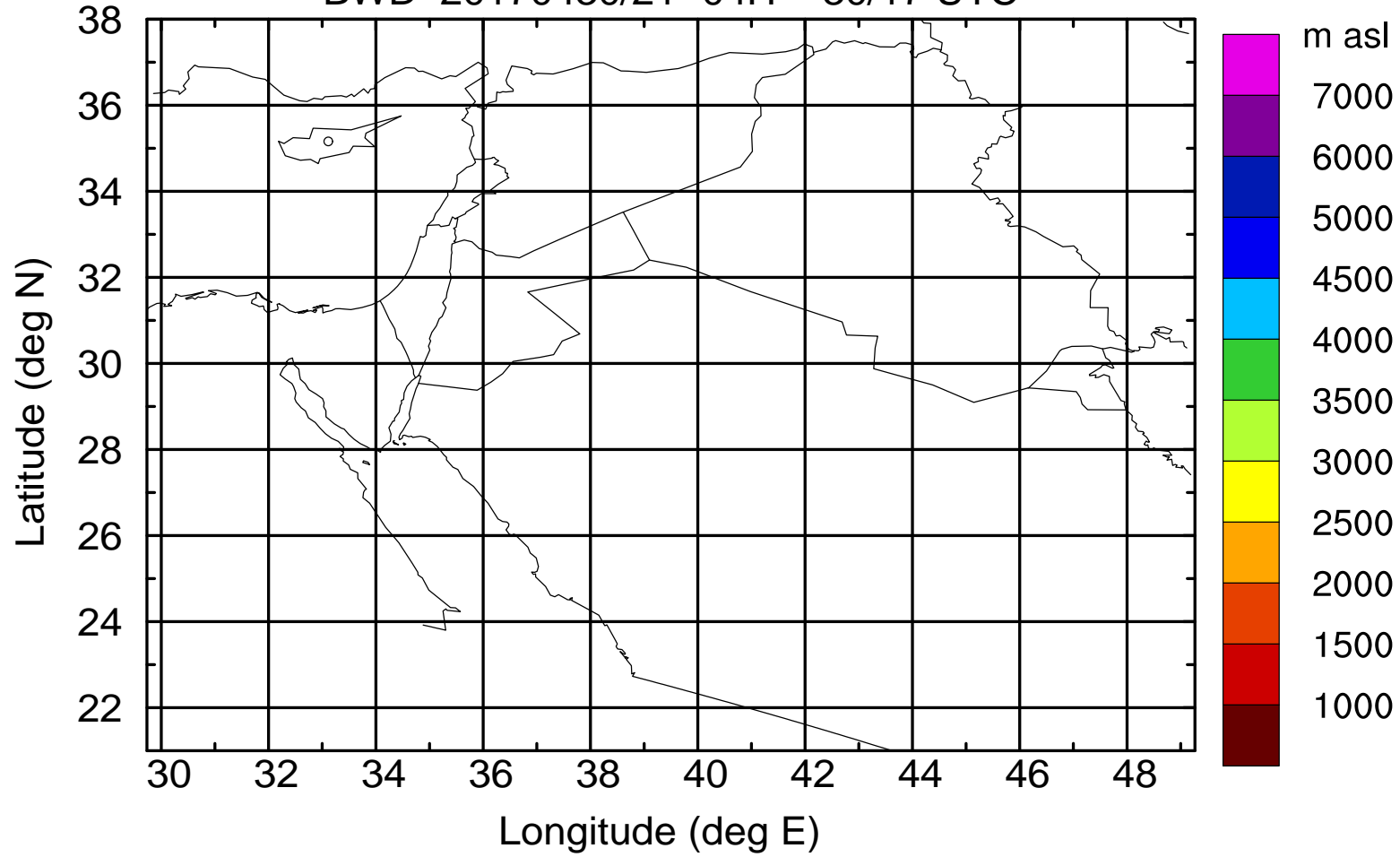
STS ground station 20170430

BWD 20170430/21 -04H = 30/17 UTC



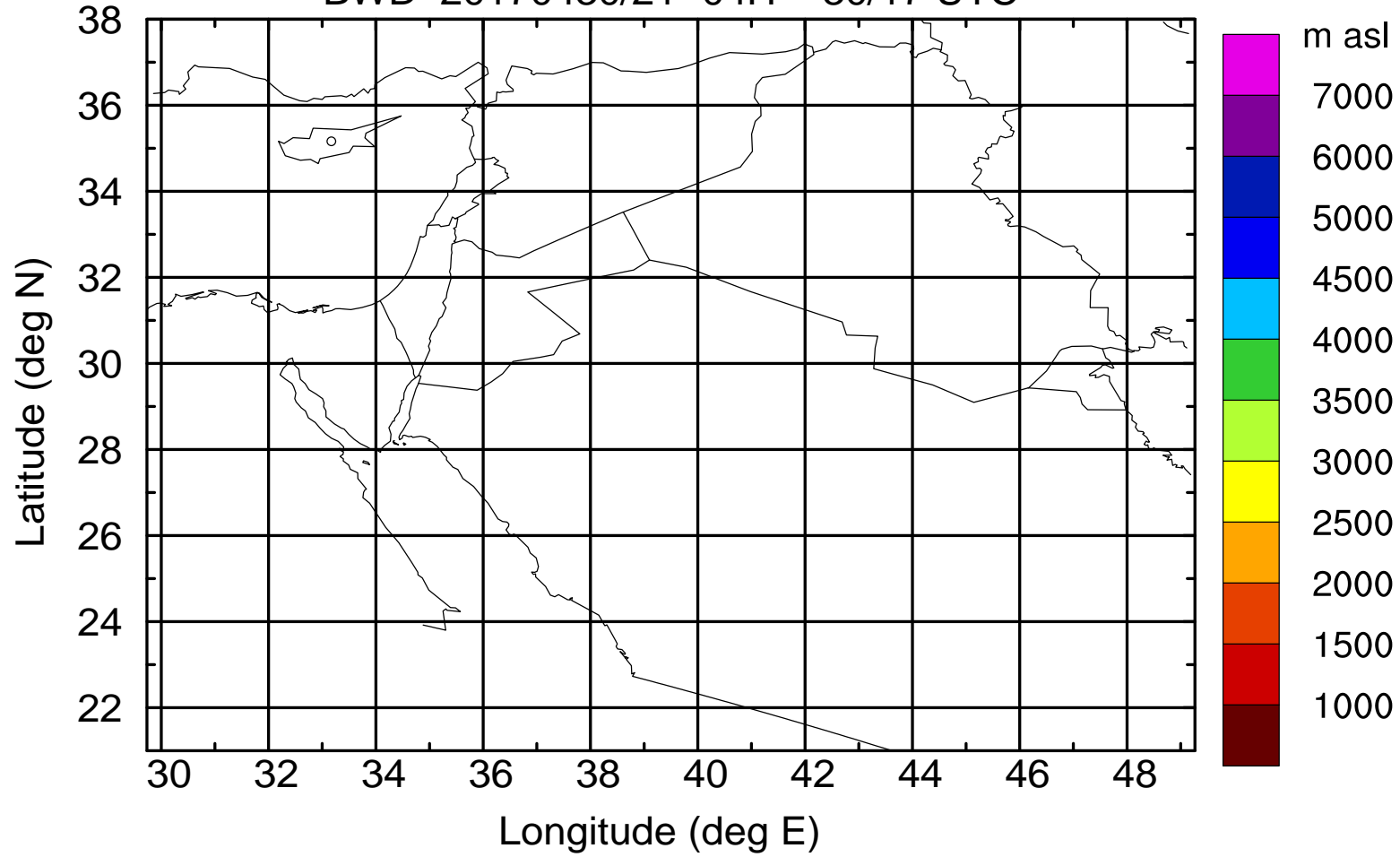
STS ground station 20170430

BWD 20170430/21 -04H = 30/17 UTC



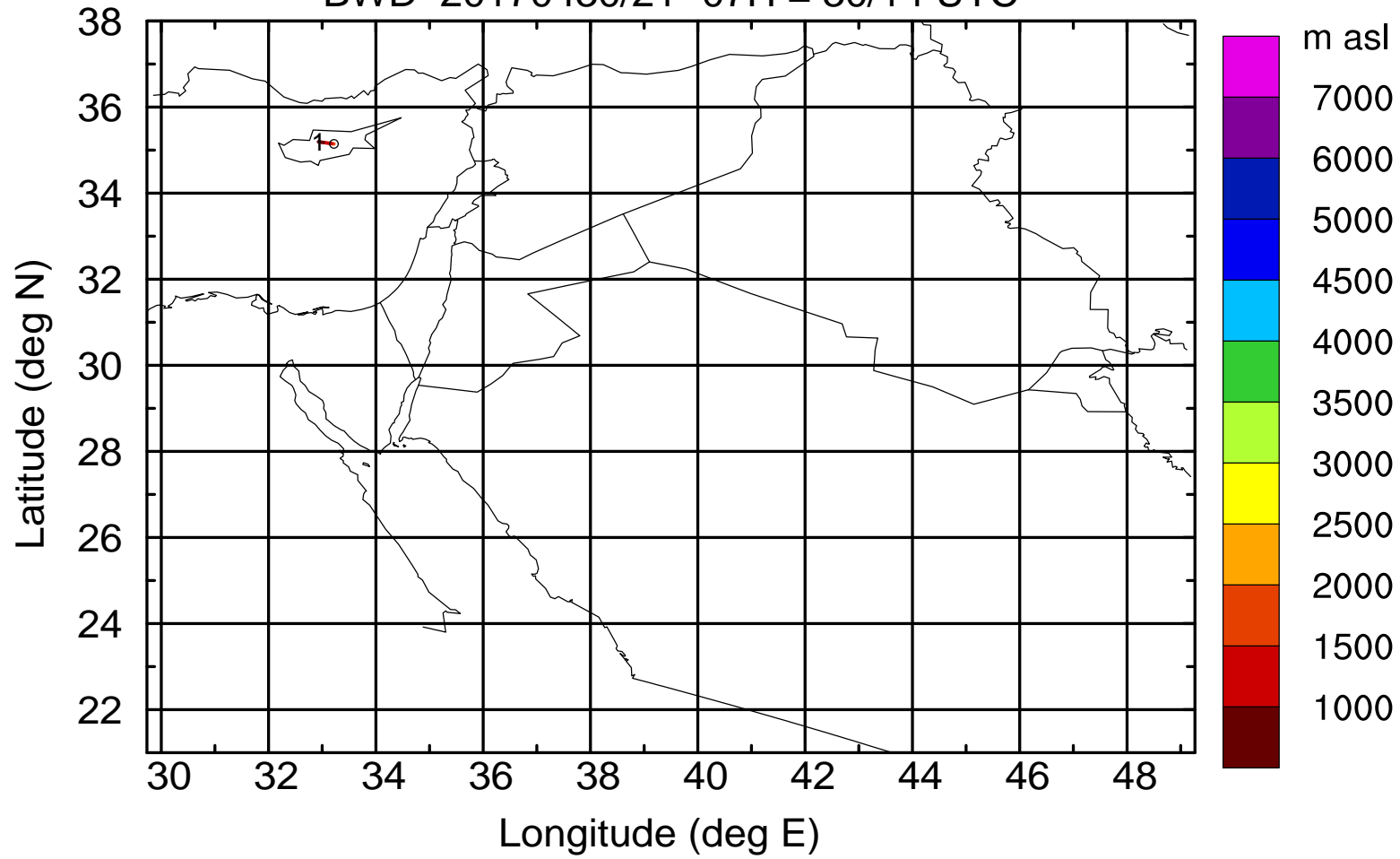
STS ground station 20170430

BWD 20170430/21 -04H = 30/17 UTC



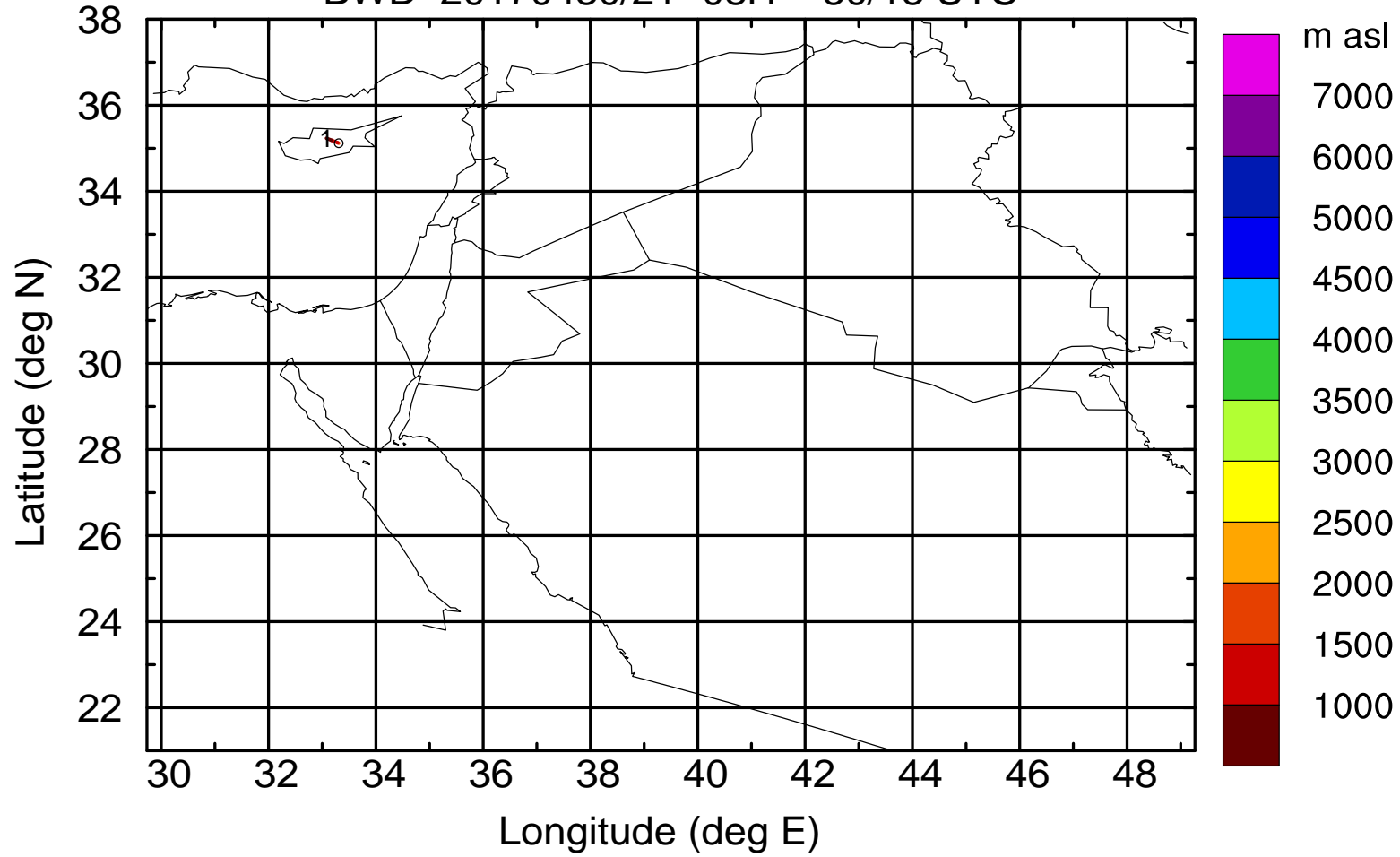
STS ground station 20170430

BWD 20170430/21 -07H = 30/14 UTC



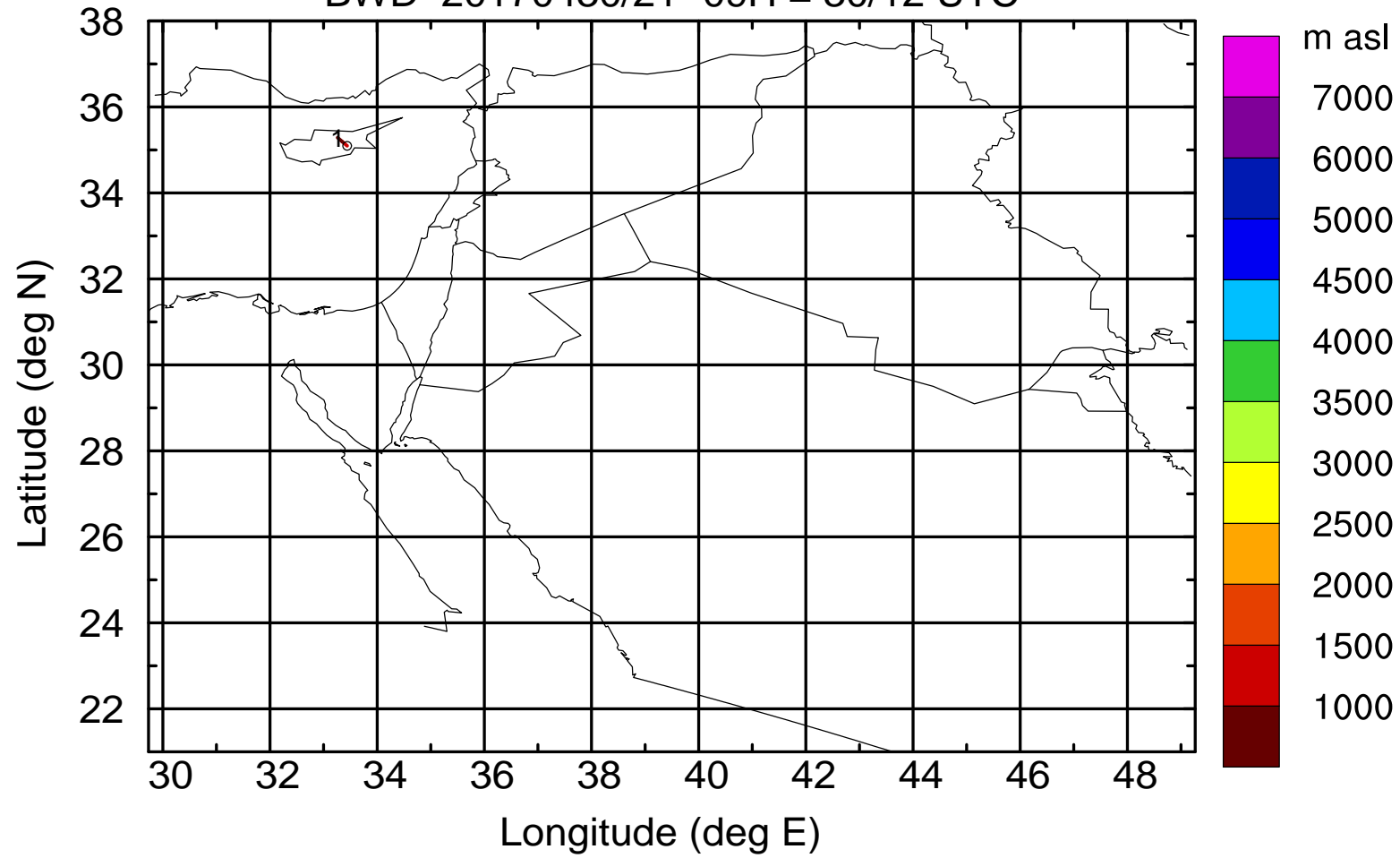
STS ground station 20170430

BWD 20170430/21 -08H = 30/13 UTC



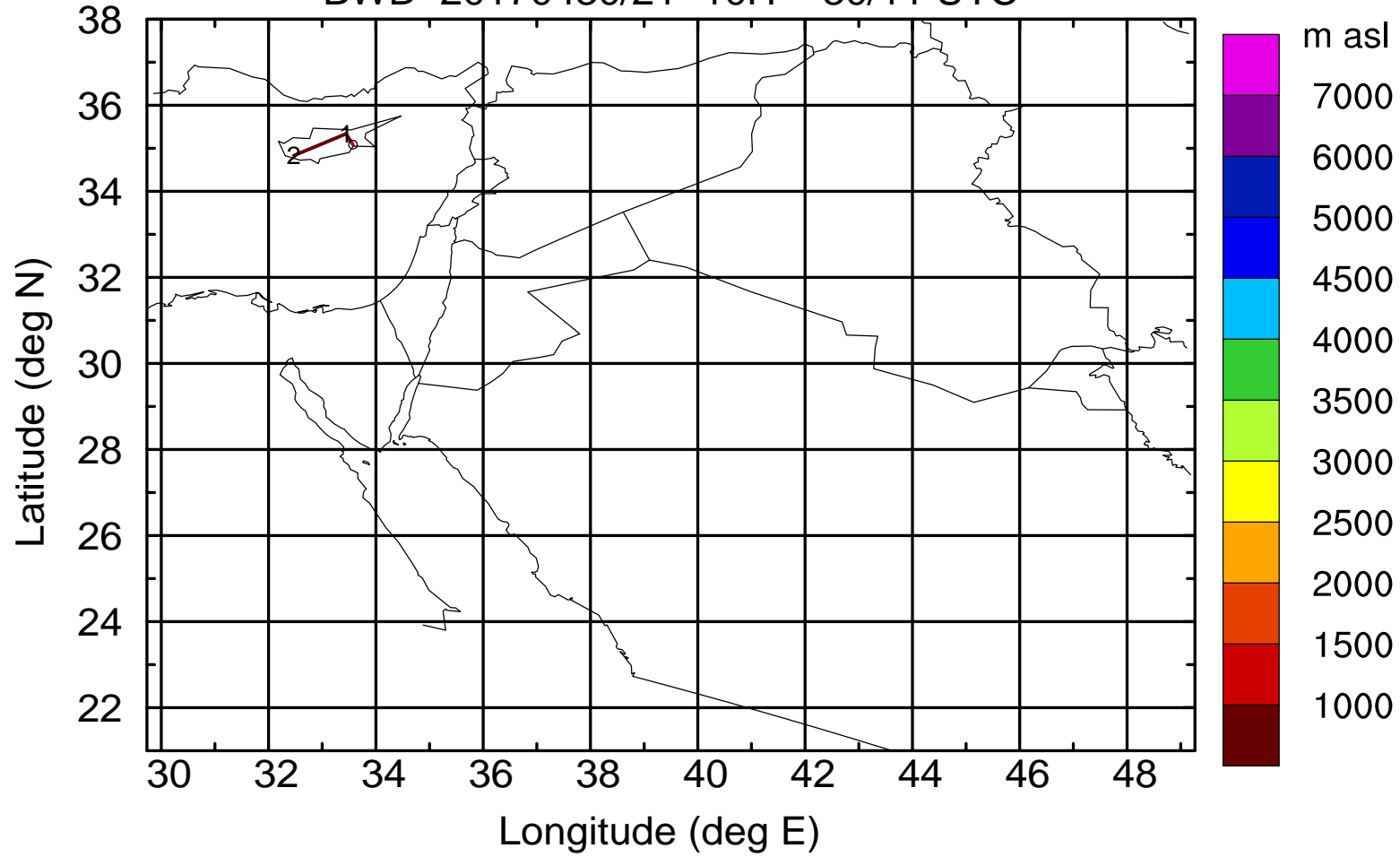
STS ground station 20170430

BWD 20170430/21 -09H = 30/12 UTC



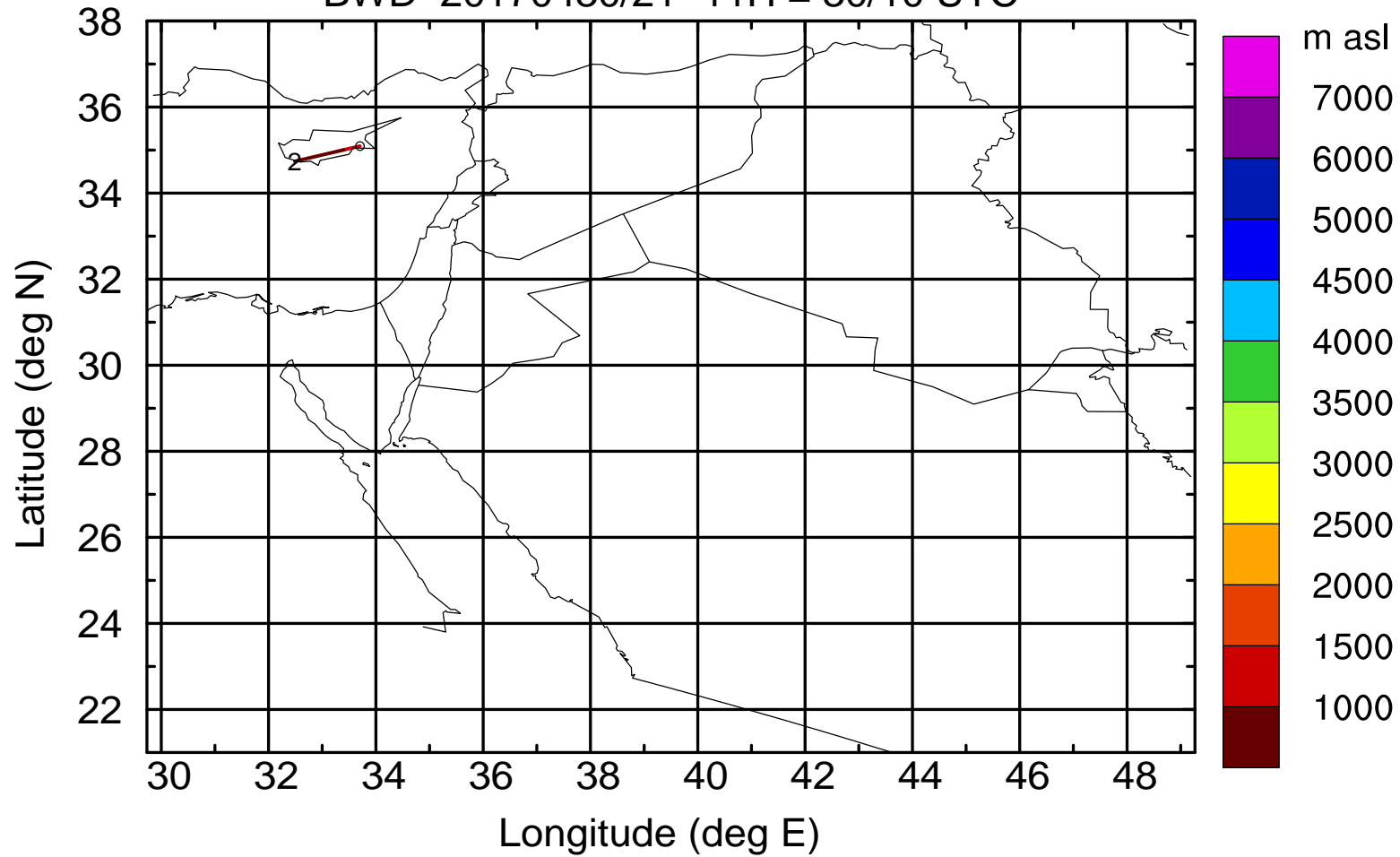
STS ground station 20170430

BWD 20170430/21 -10H = 30/11 UTC



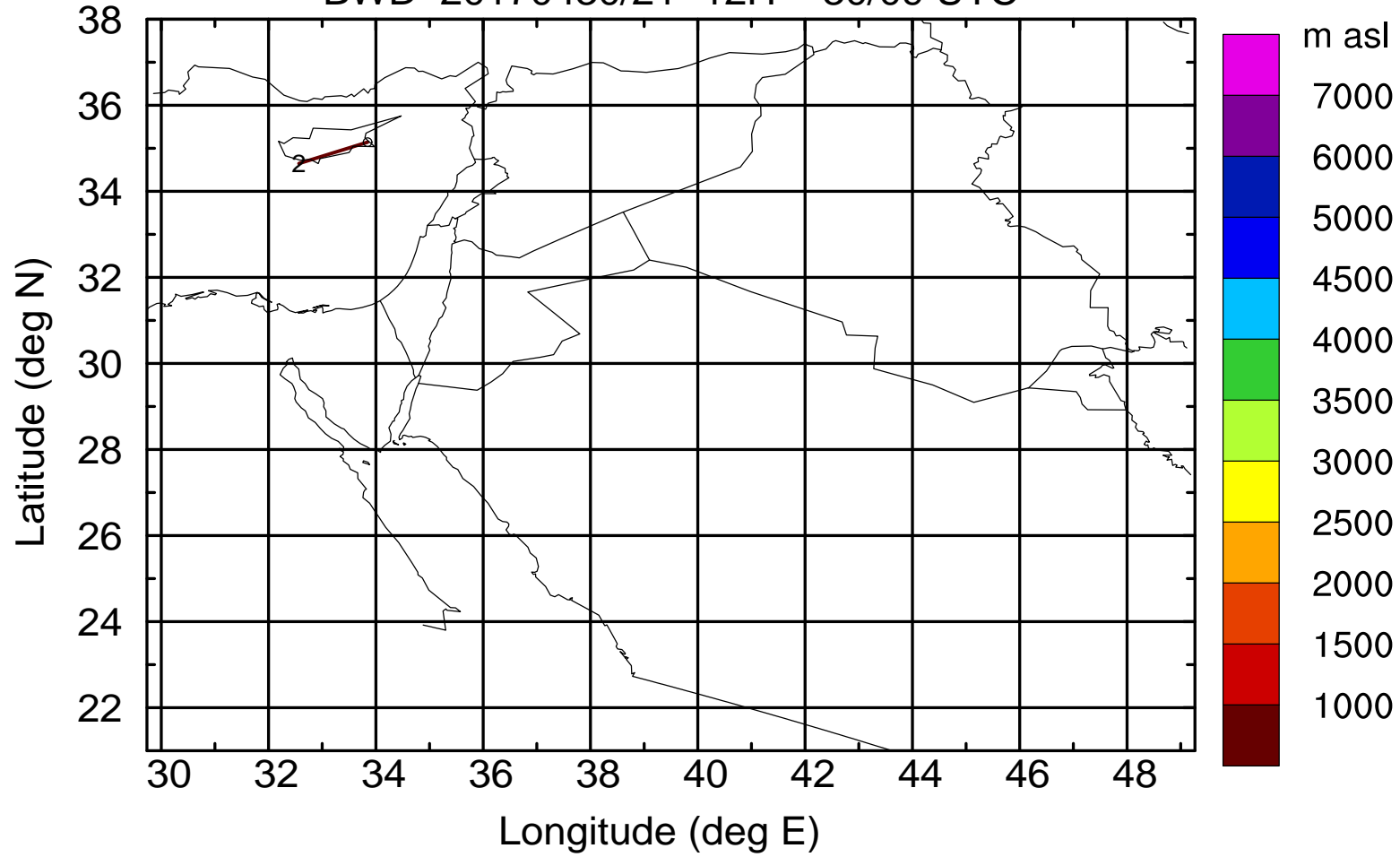
STS ground station 20170430

BWD 20170430/21 -11H = 30/10 UTC



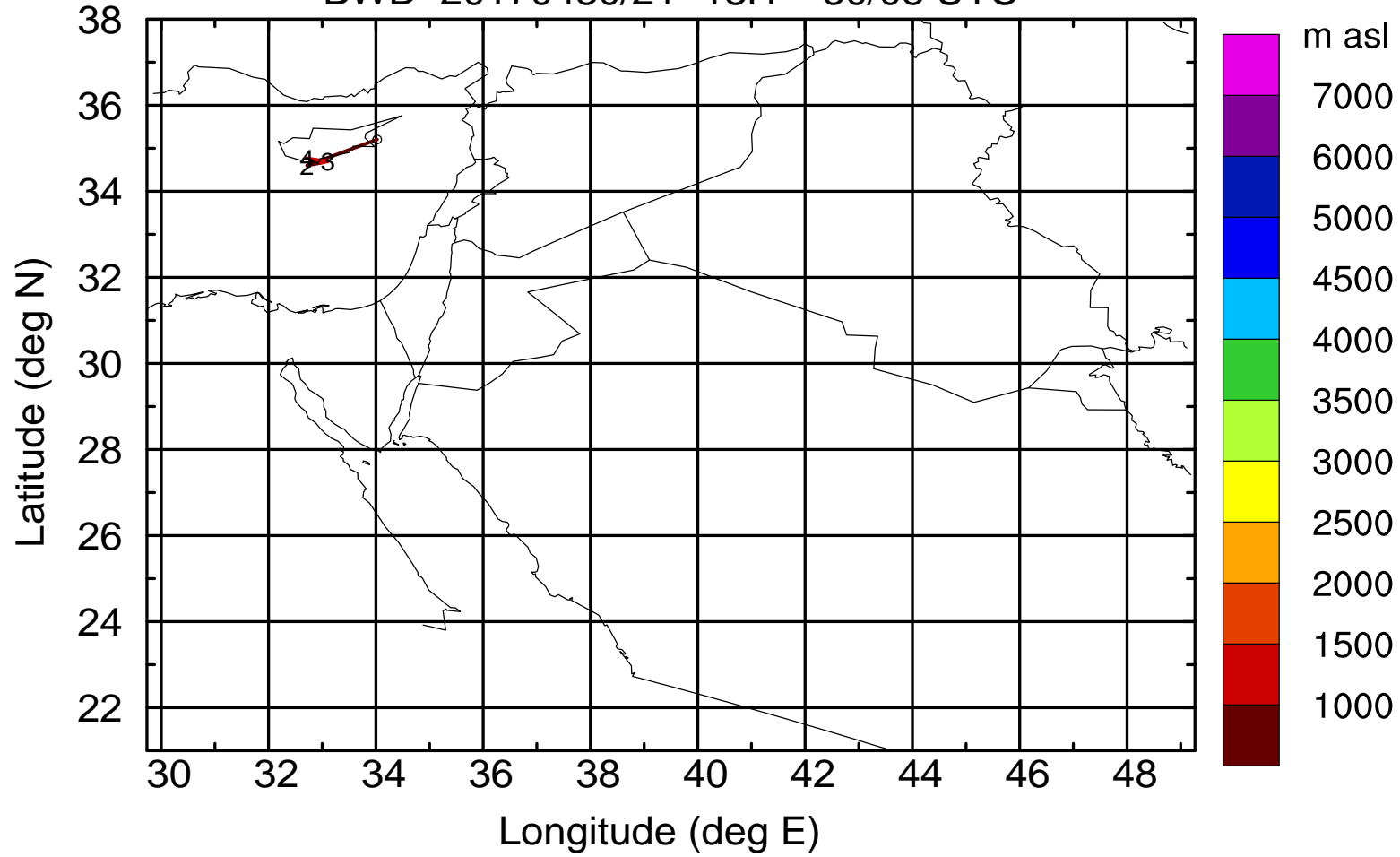
STS ground station 20170430

BWD 20170430/21 -12H = 30/09 UTC



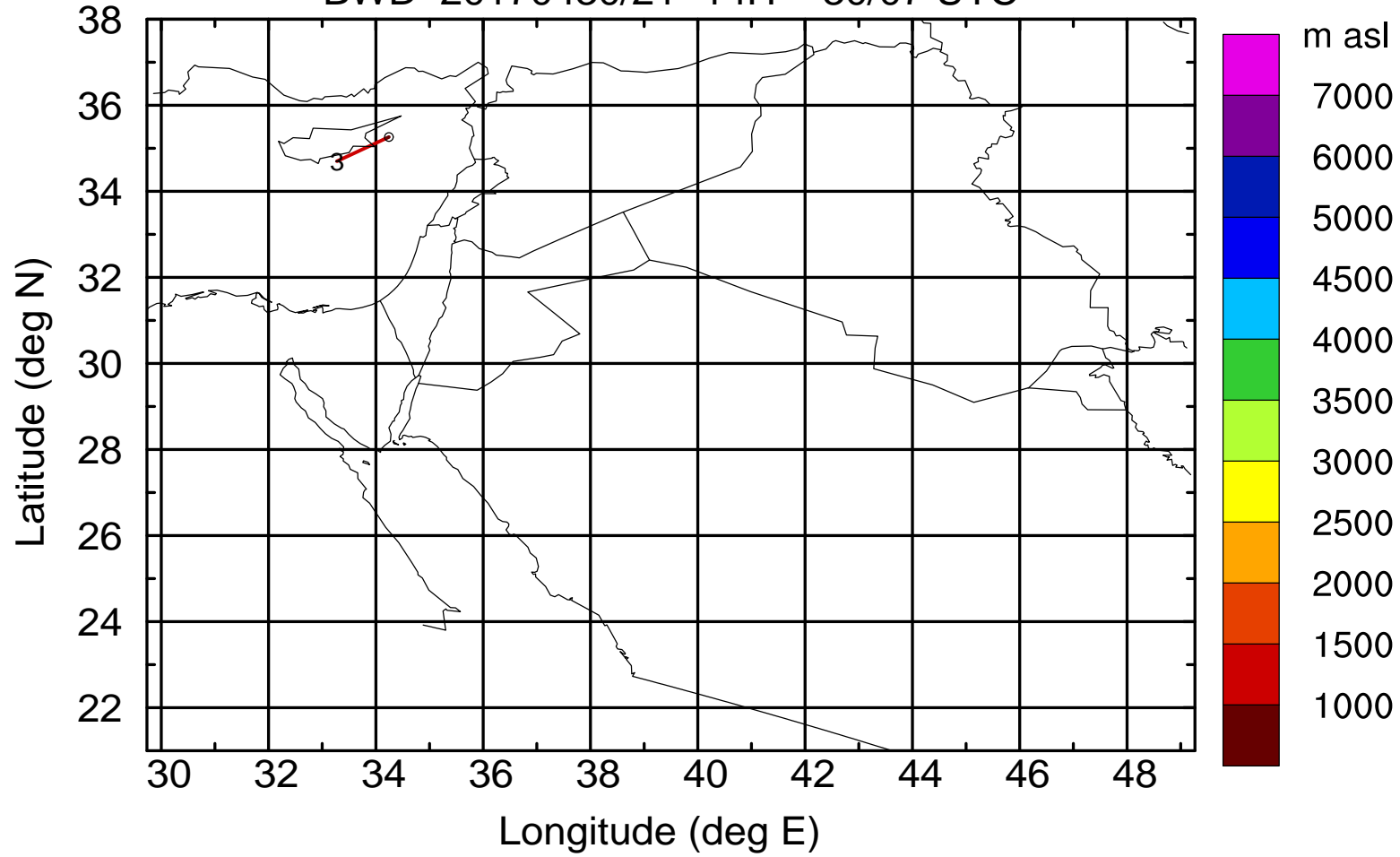
STS ground station 20170430

BWD 20170430/21 -13H = 30/08 UTC



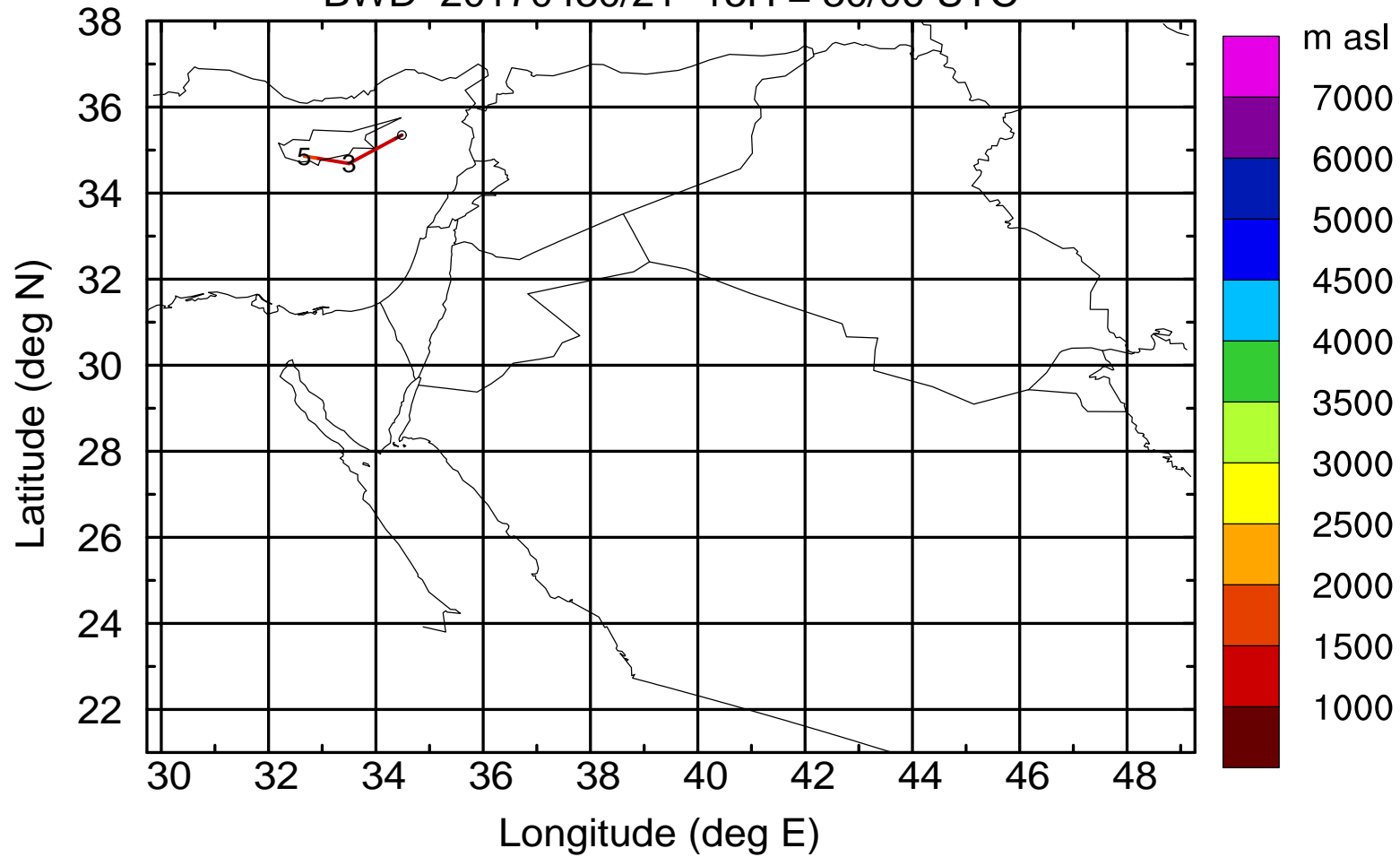
STS ground station 20170430

BWD 20170430/21 -14H = 30/07 UTC



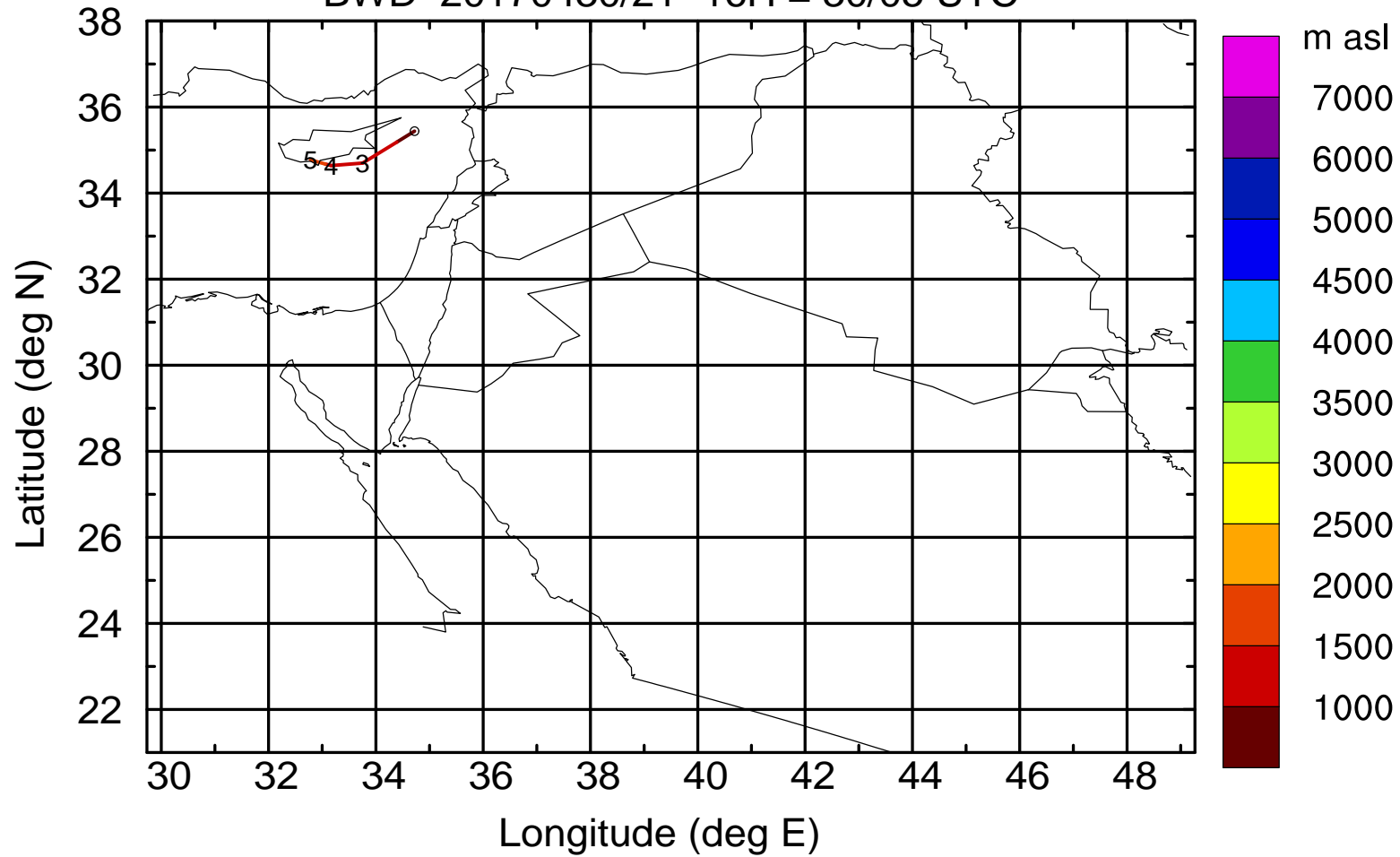
STS ground station 20170430

BWD 20170430/21 -15H = 30/06 UTC



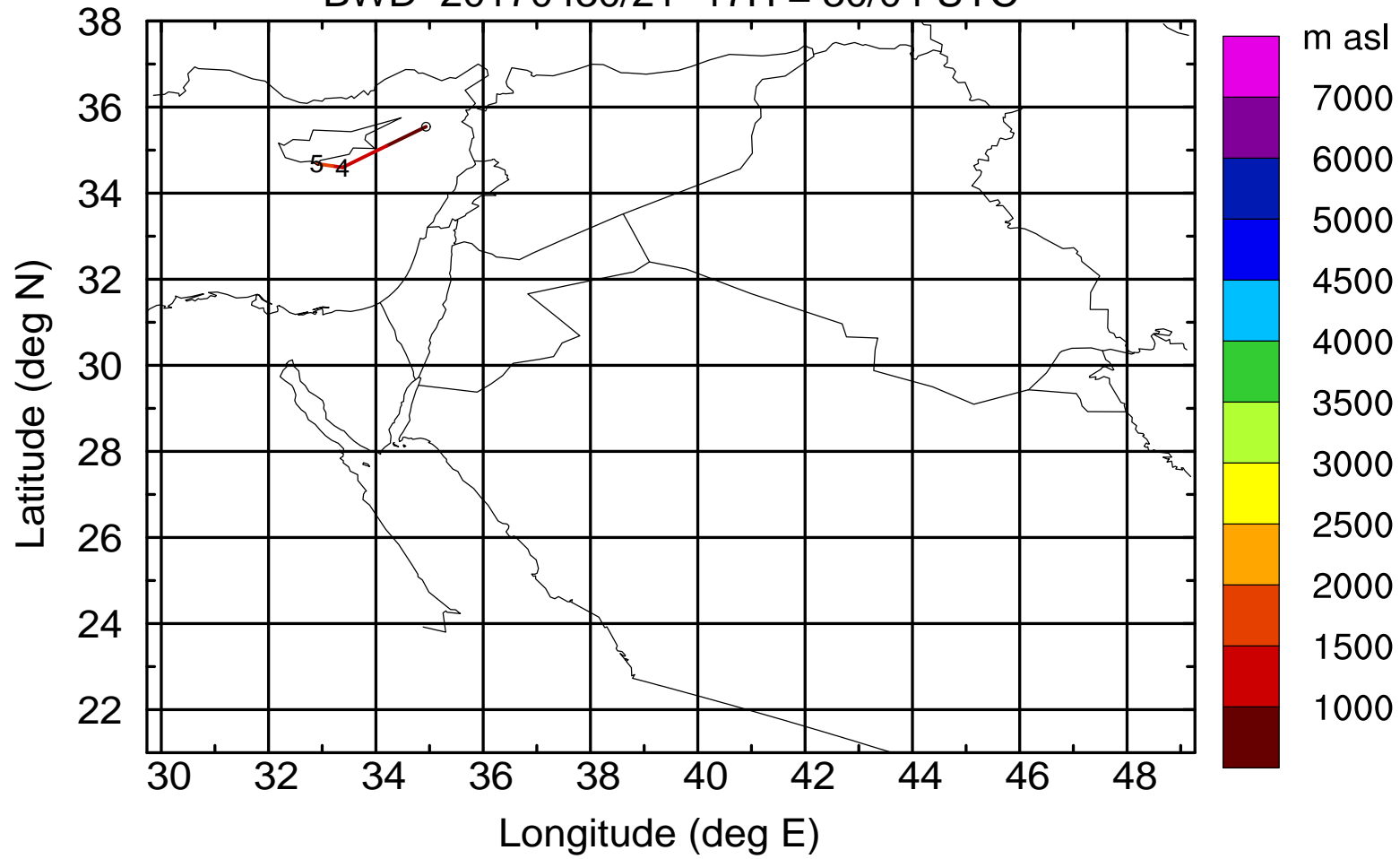
STS ground station 20170430

BWD 20170430/21 -16H = 30/05 UTC



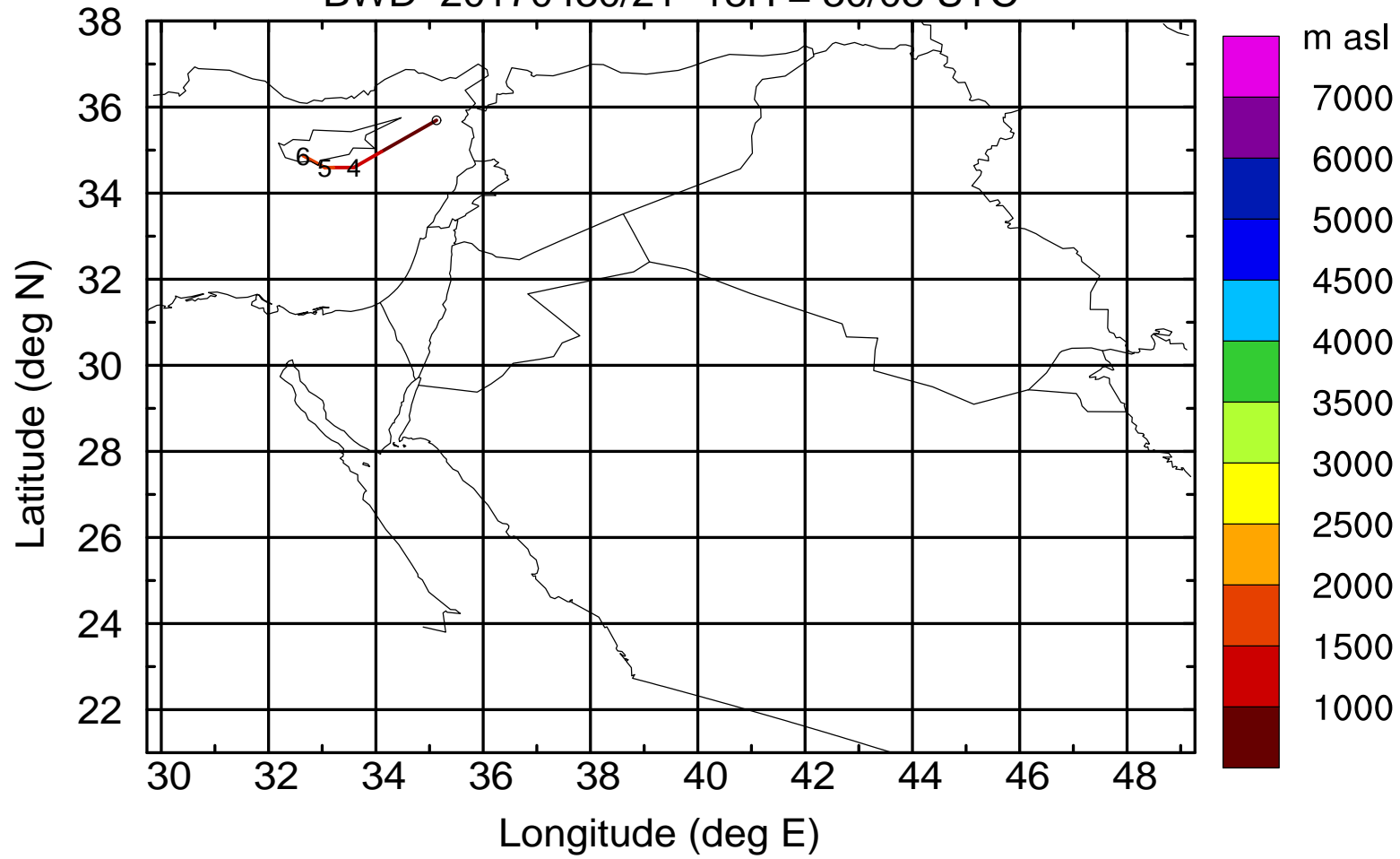
STS ground station 20170430

BWD 20170430/21 -17H = 30/04 UTC



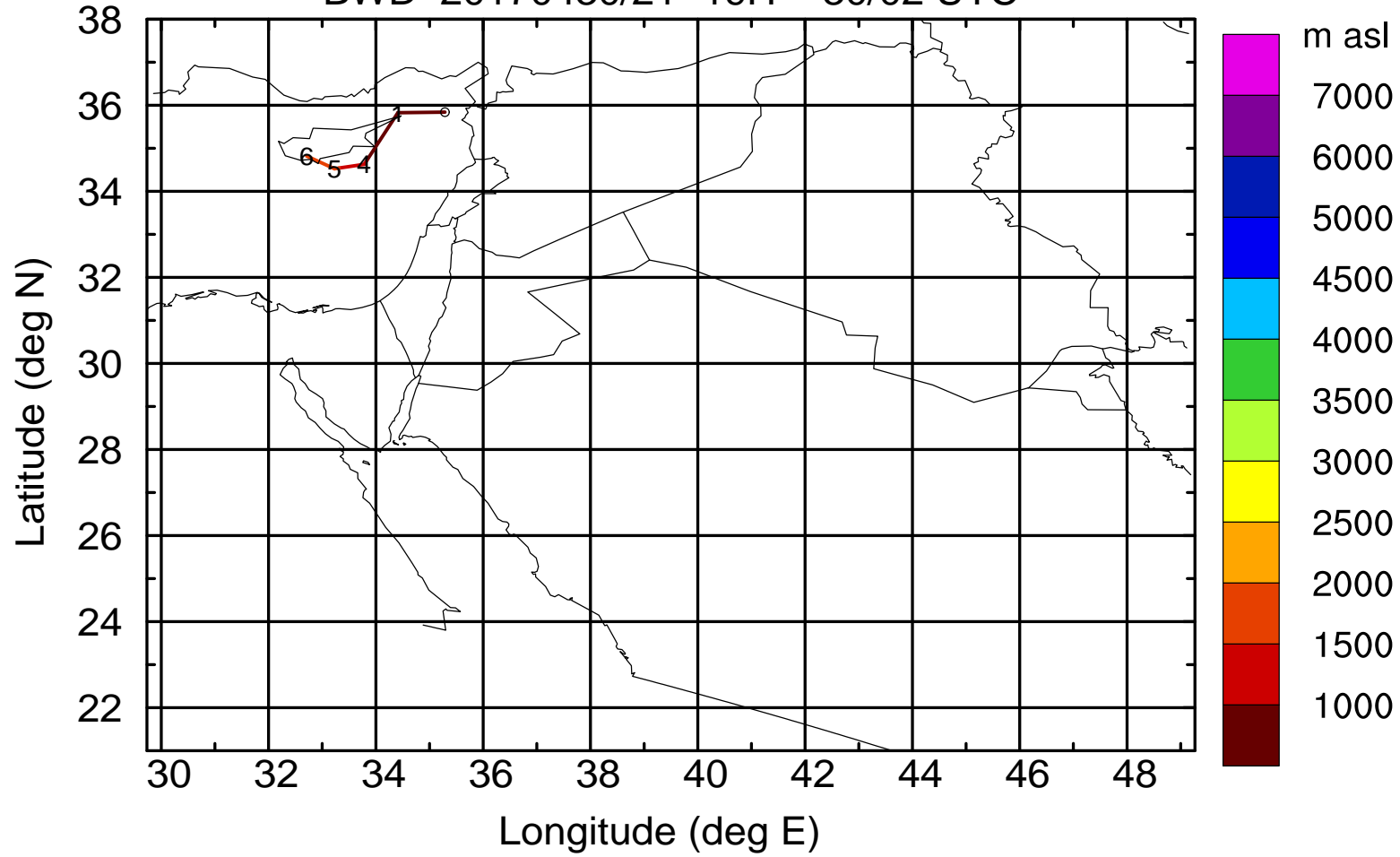
STS ground station 20170430

BWD 20170430/21 -18H = 30/03 UTC



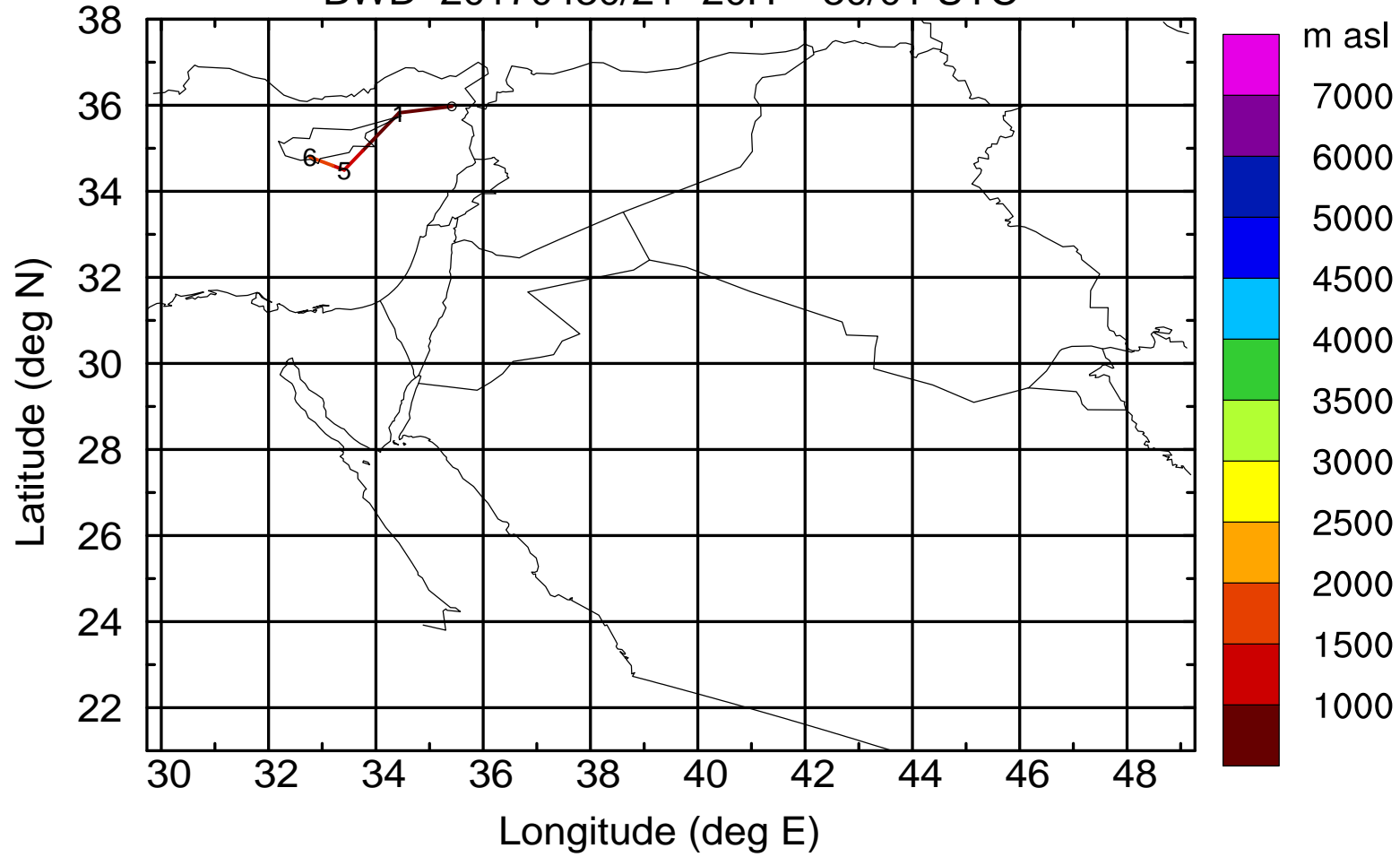
STS ground station 20170430

BWD 20170430/21 -19H = 30/02 UTC



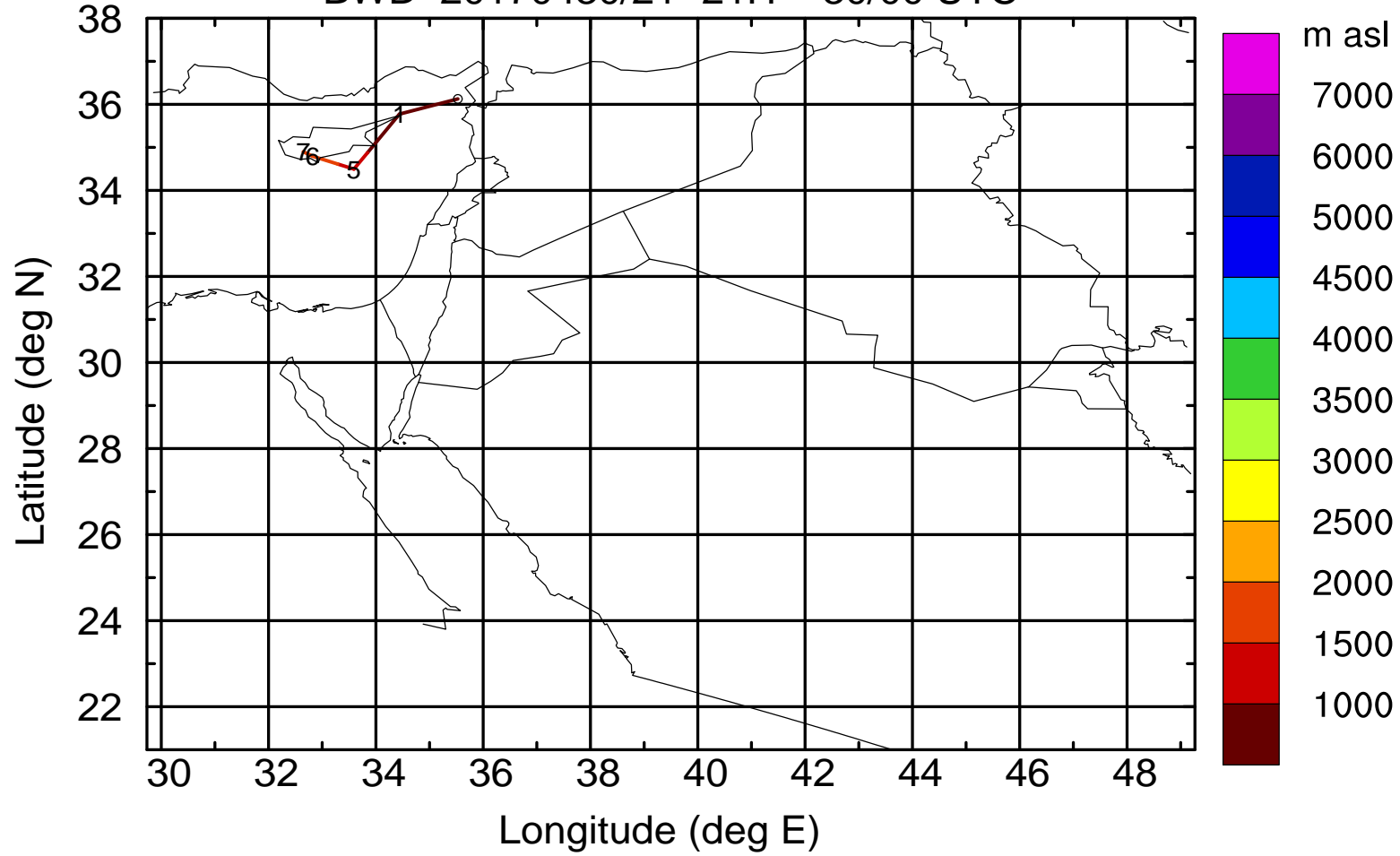
STS ground station 20170430

BWD 20170430/21 -20H = 30/01 UTC



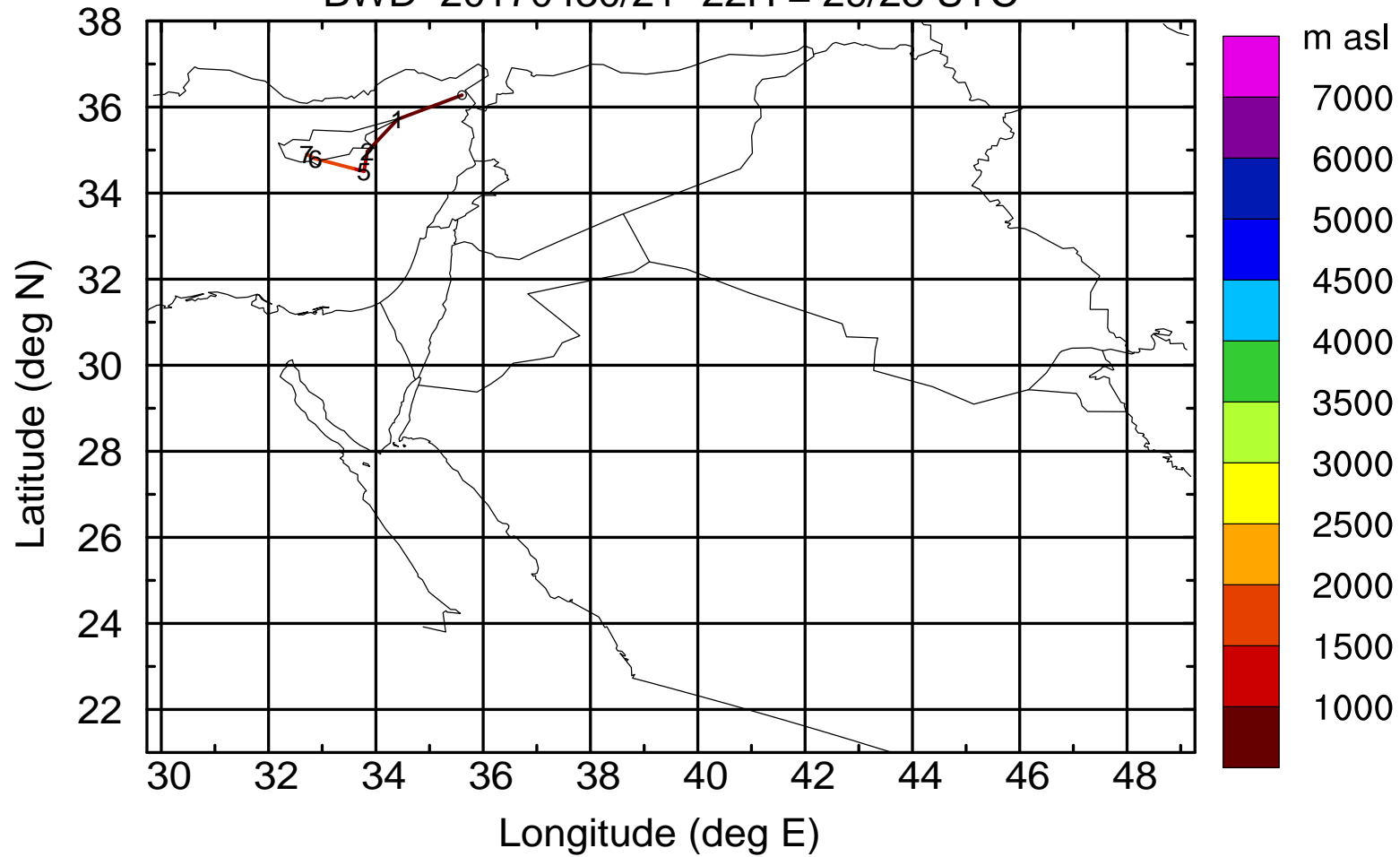
STS ground station 20170430

BWD 20170430/21 -21H = 30/00 UTC



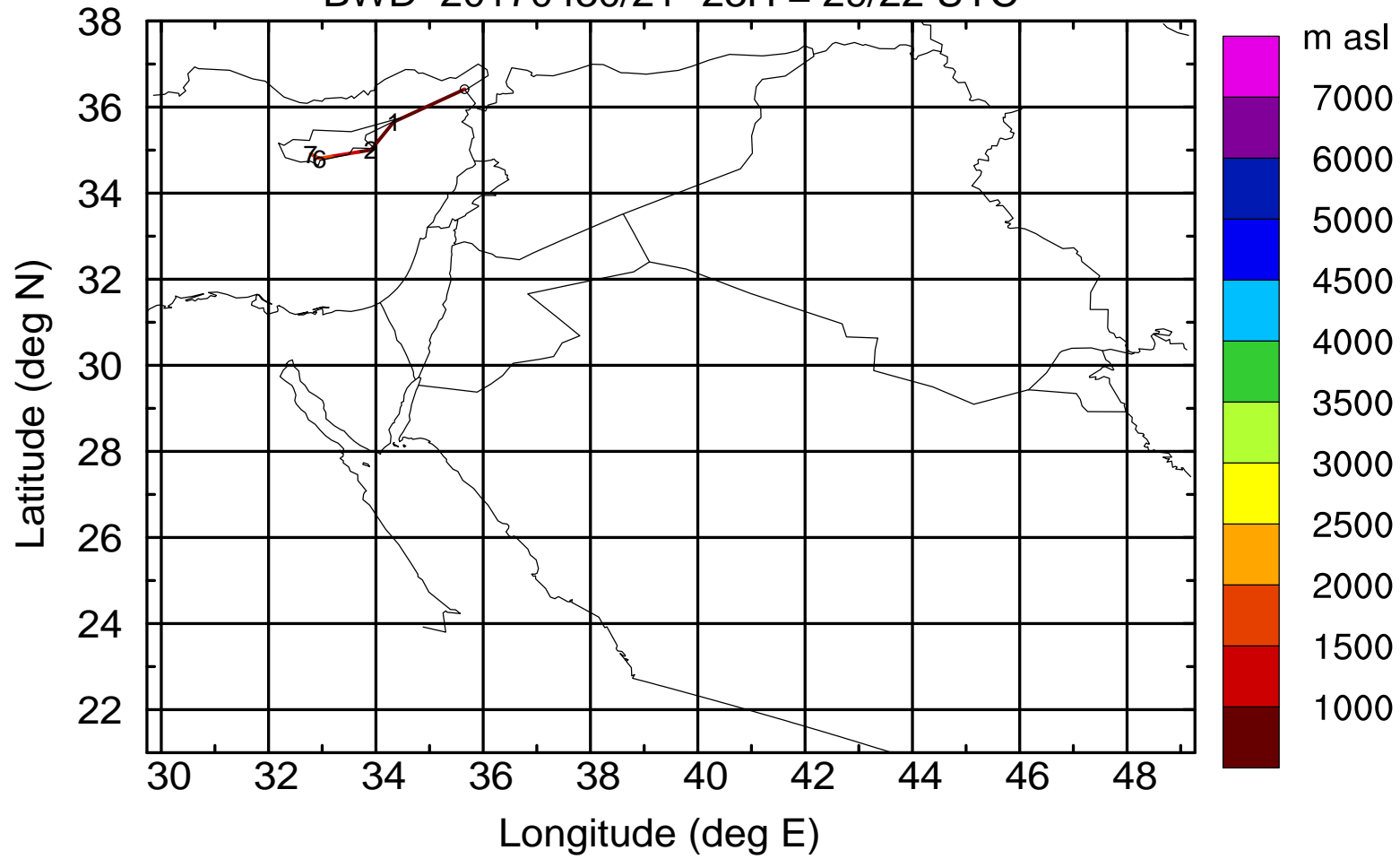
STS ground station 20170430

BWD 20170430/21 -22H = 29/23 UTC



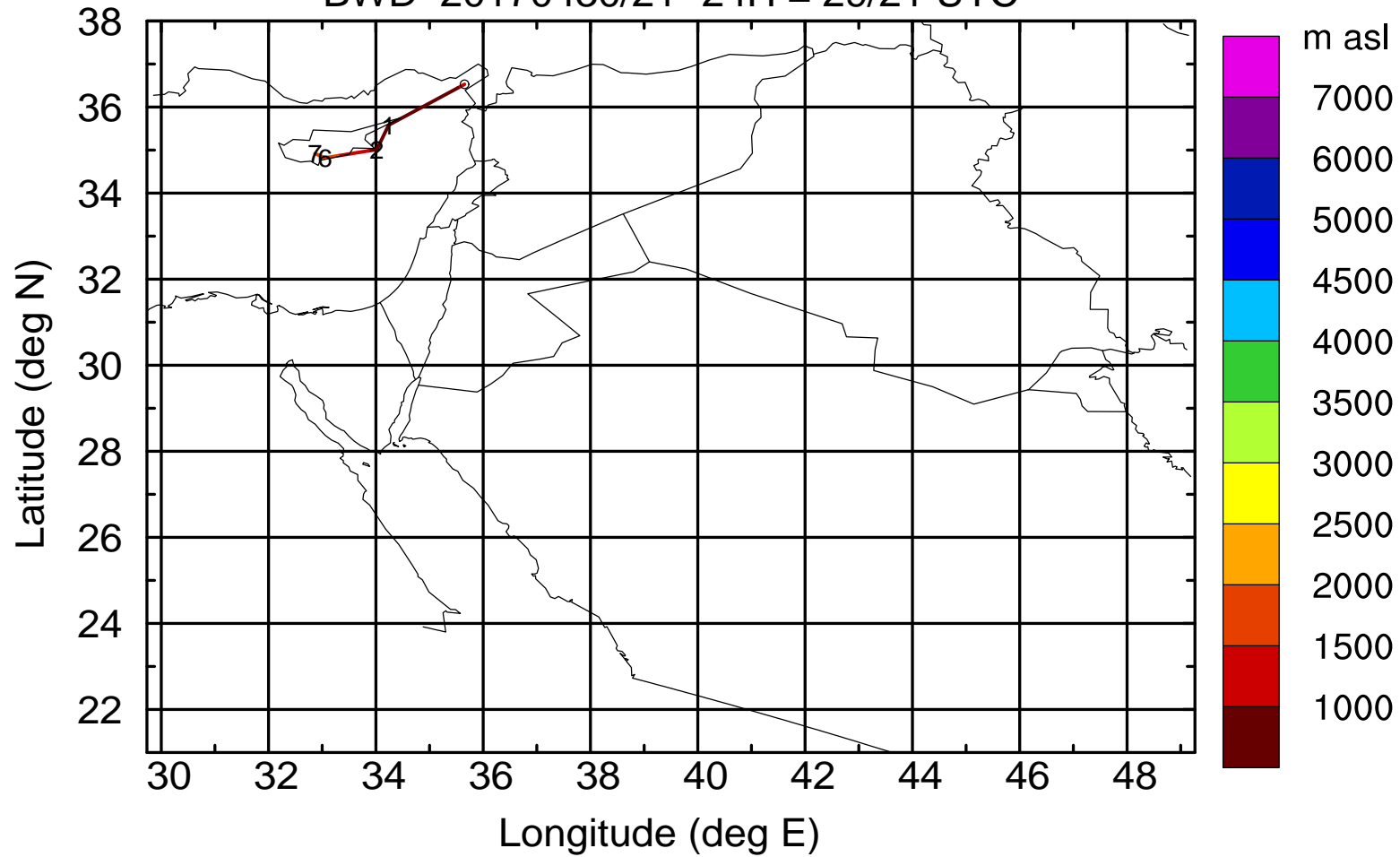
STS ground station 20170430

BWD 20170430/21 -23H = 29/22 UTC



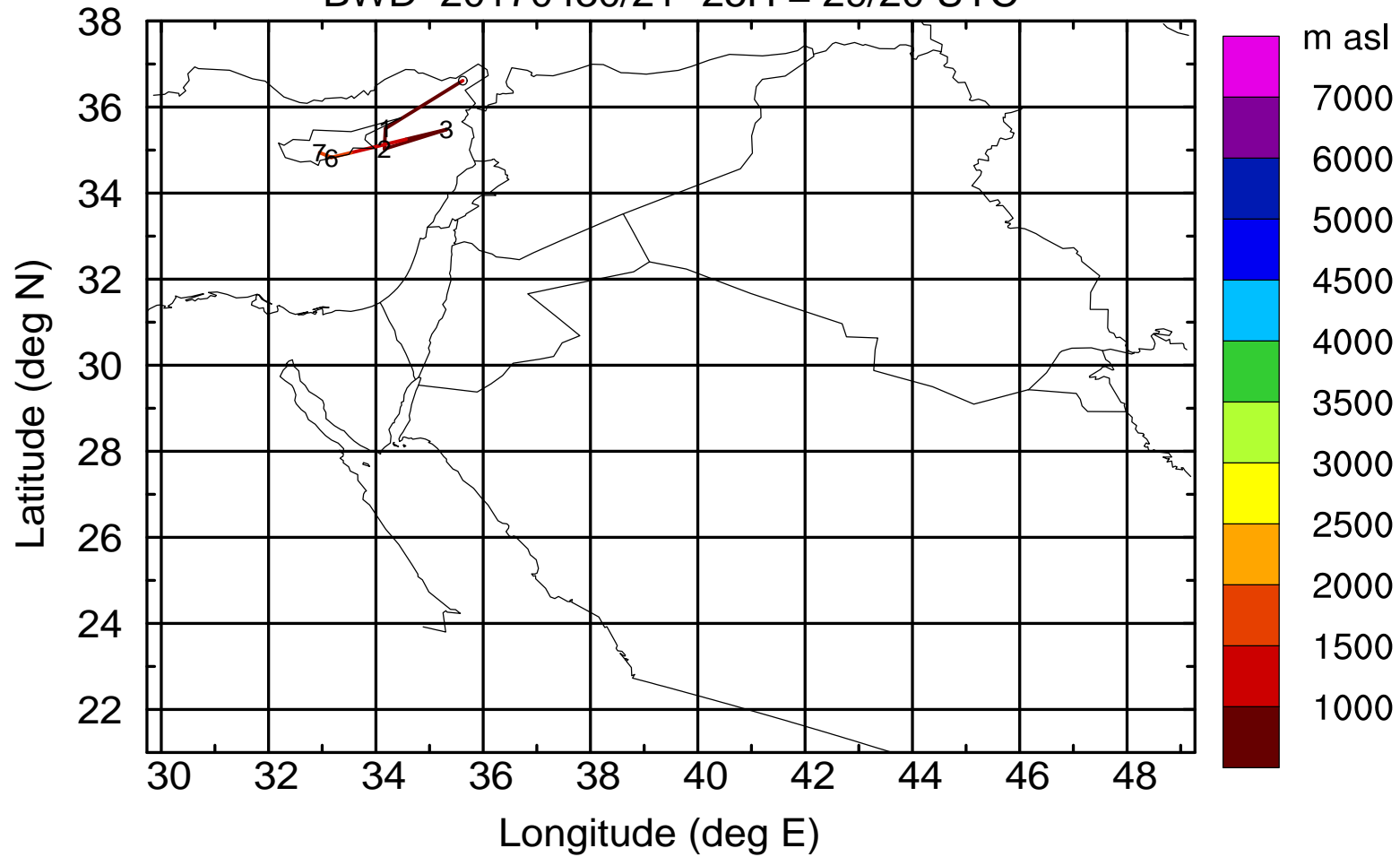
STS ground station 20170430

BWD 20170430/21 -24H = 29/21 UTC



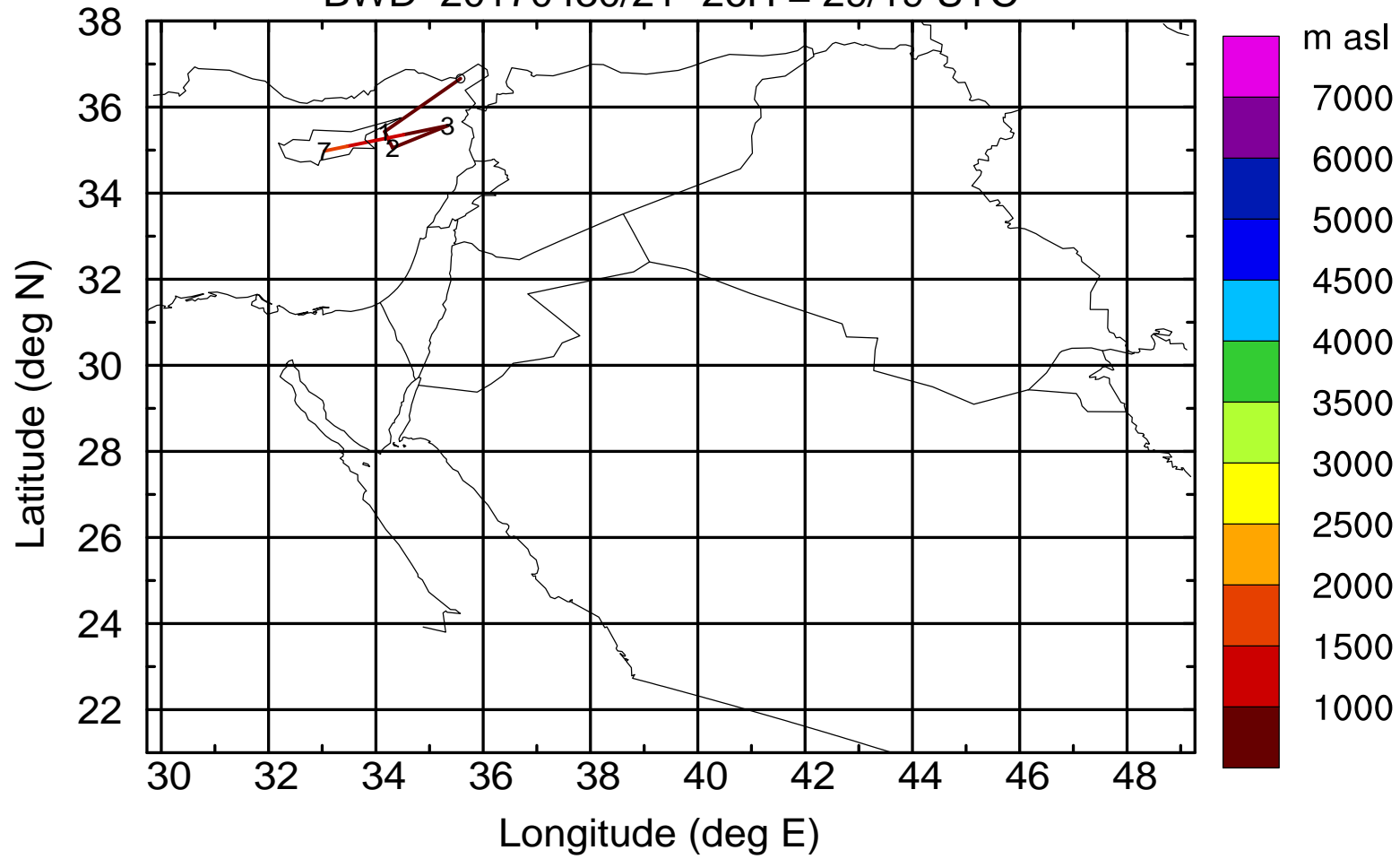
STS ground station 20170430

BWD 20170430/21 -25H = 29/20 UTC



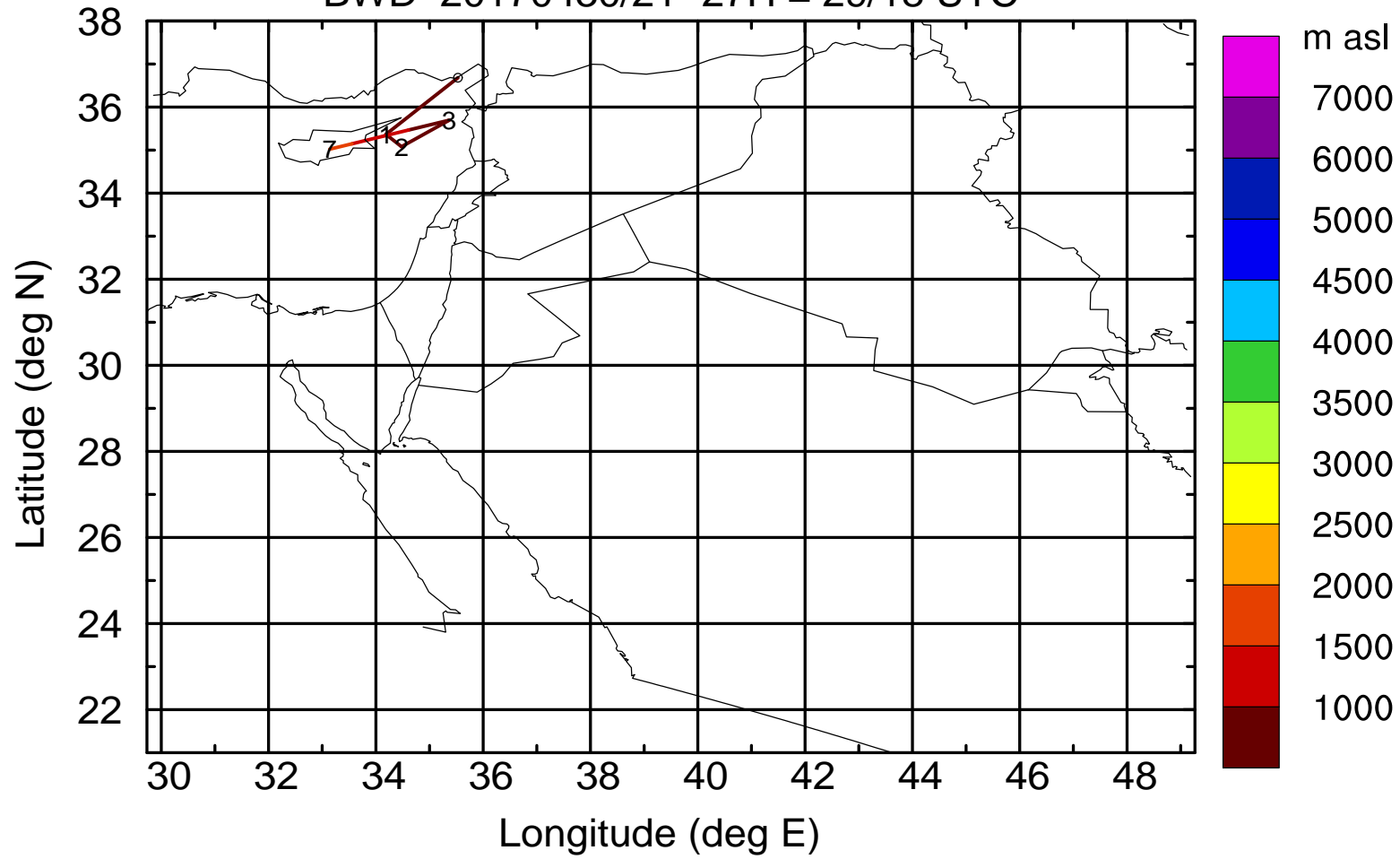
STS ground station 20170430

BWD 20170430/21 -26H = 29/19 UTC



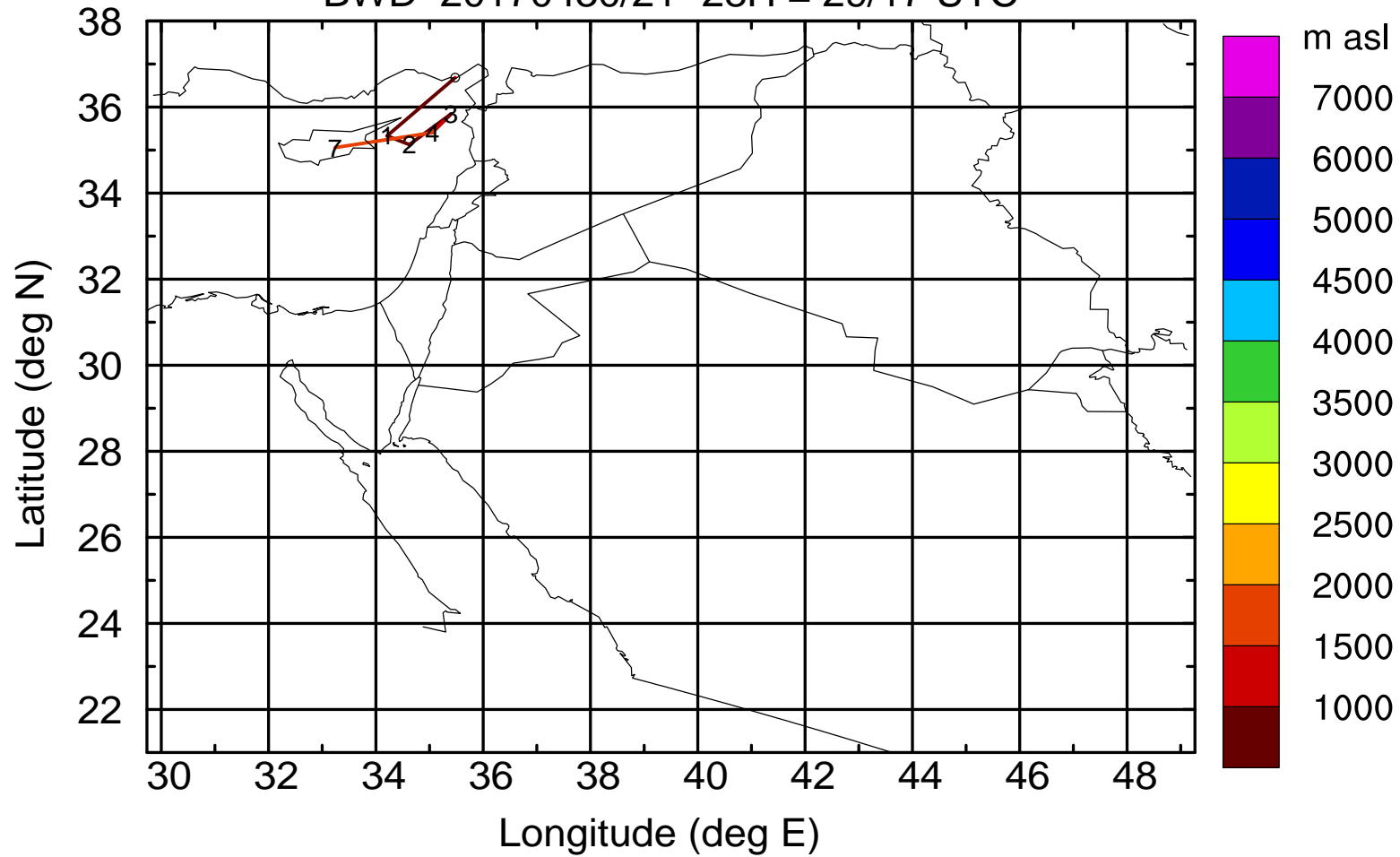
STS ground station 20170430

BWD 20170430/21 -27H = 29/18 UTC



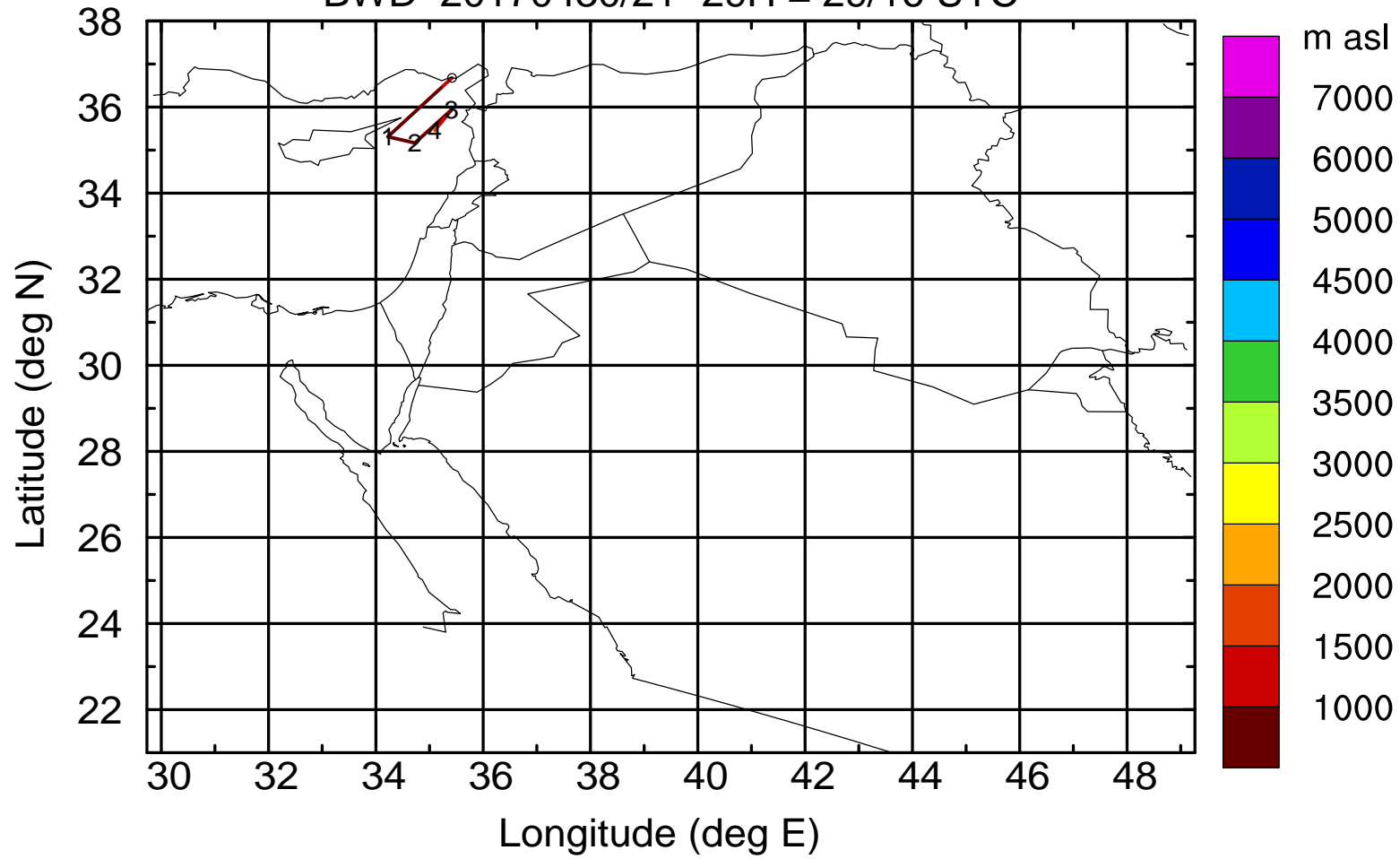
STS ground station 20170430

BWD 20170430/21 -28H = 29/17 UTC



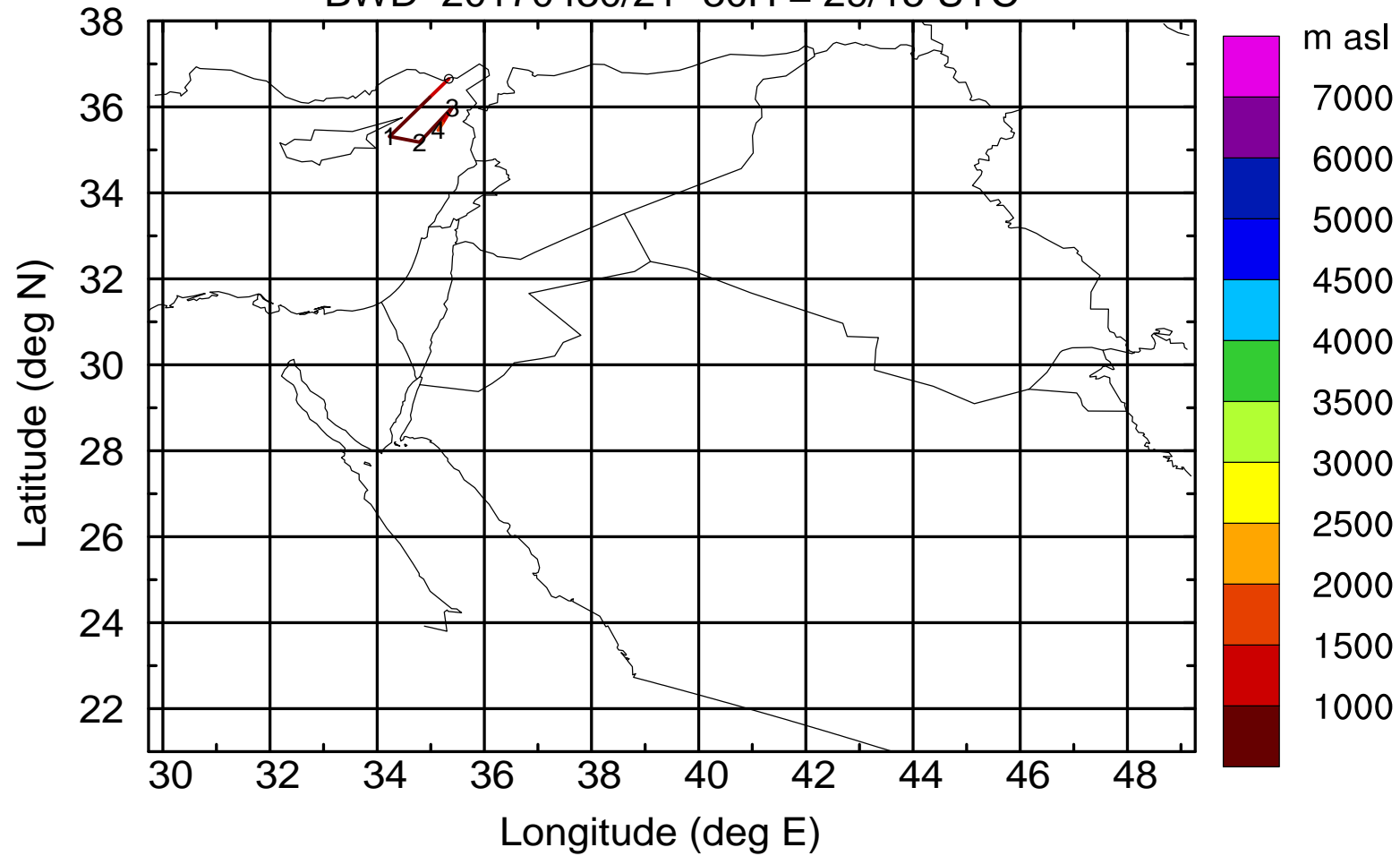
STS ground station 20170430

BWD 20170430/21 -29H = 29/16 UTC



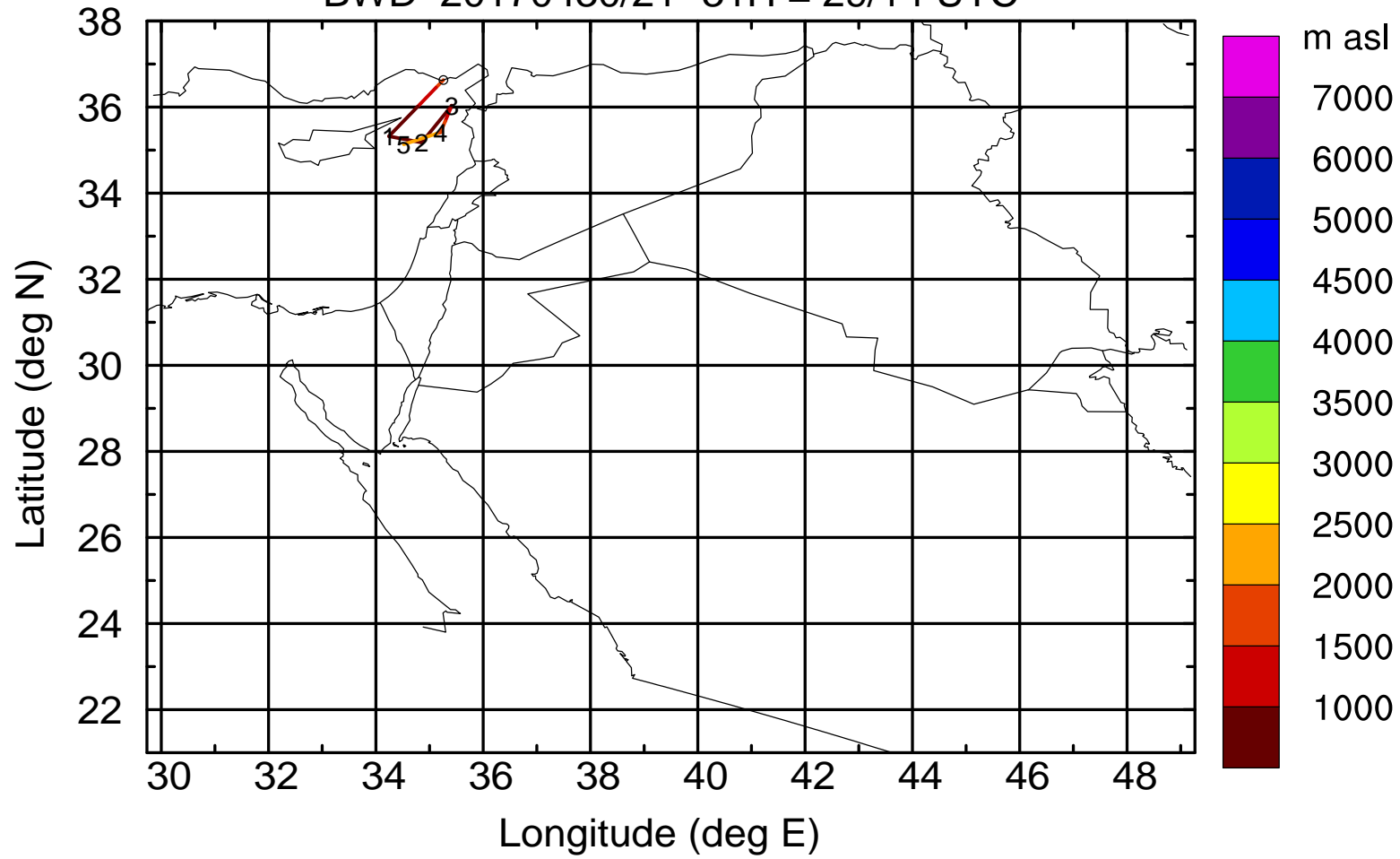
STS ground station 20170430

BWD 20170430/21 -30H = 29/15 UTC



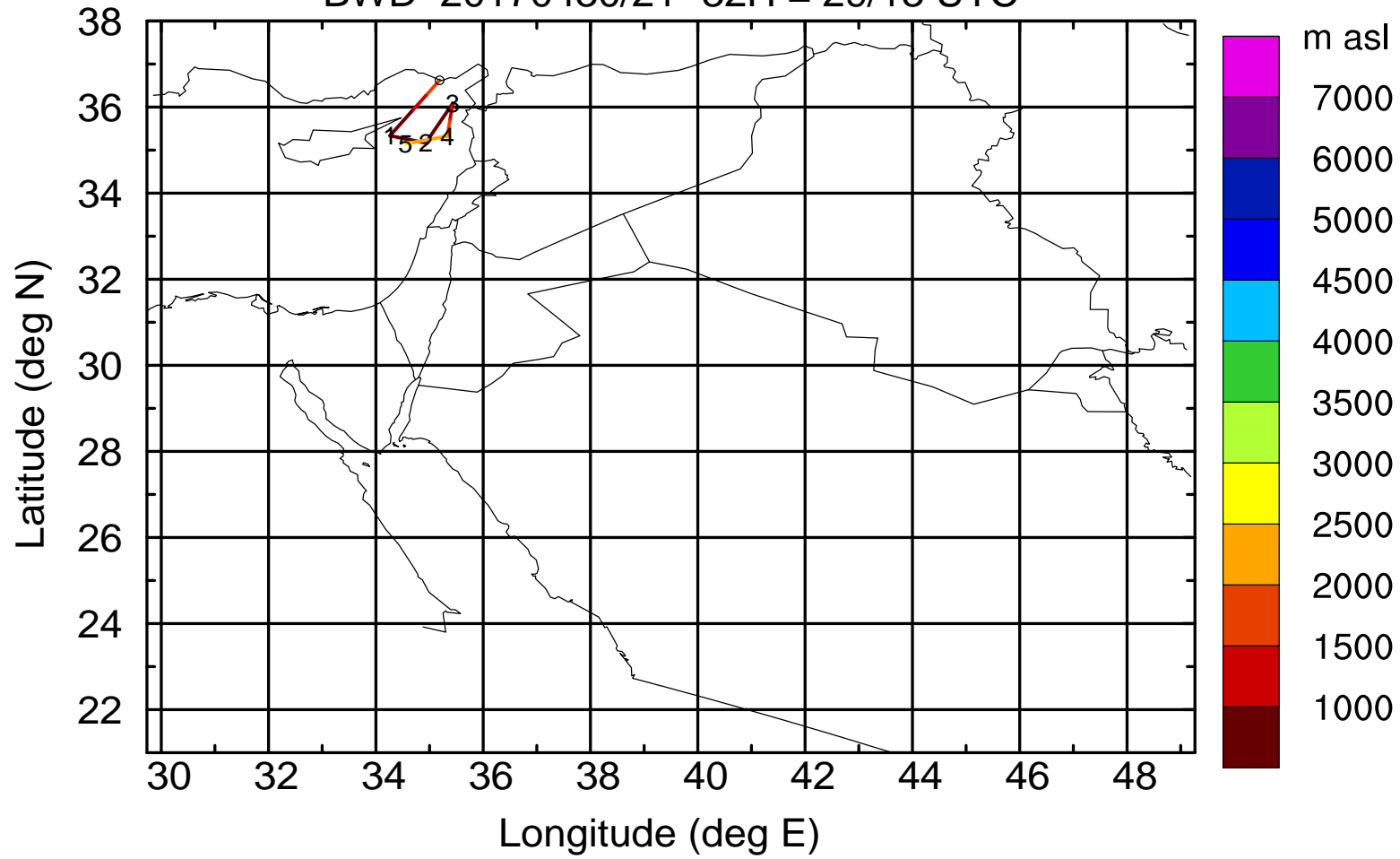
STS ground station 20170430

BWD 20170430/21 -31H = 29/14 UTC



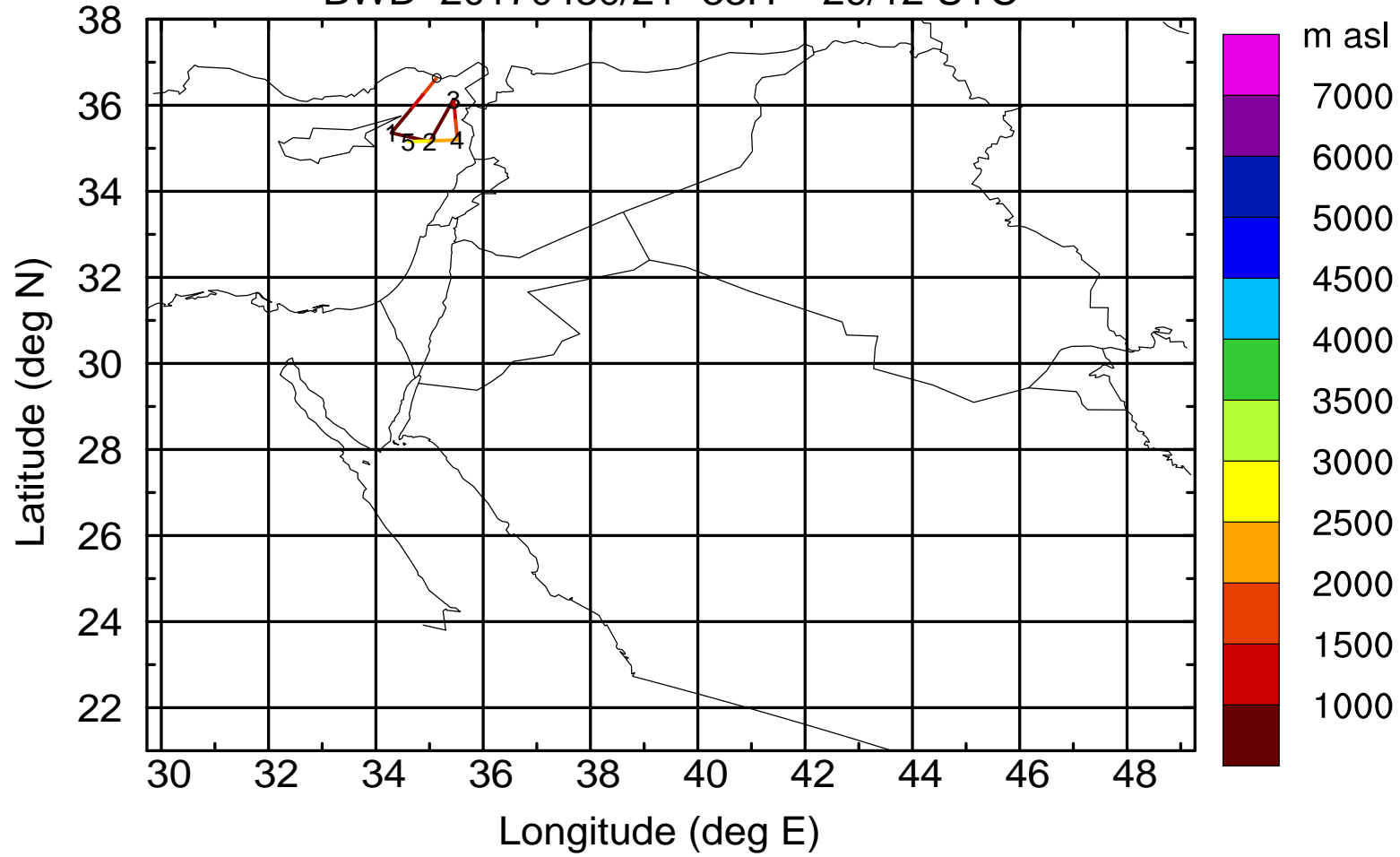
STS ground station 20170430

BWD 20170430/21 -32H = 29/13 UTC



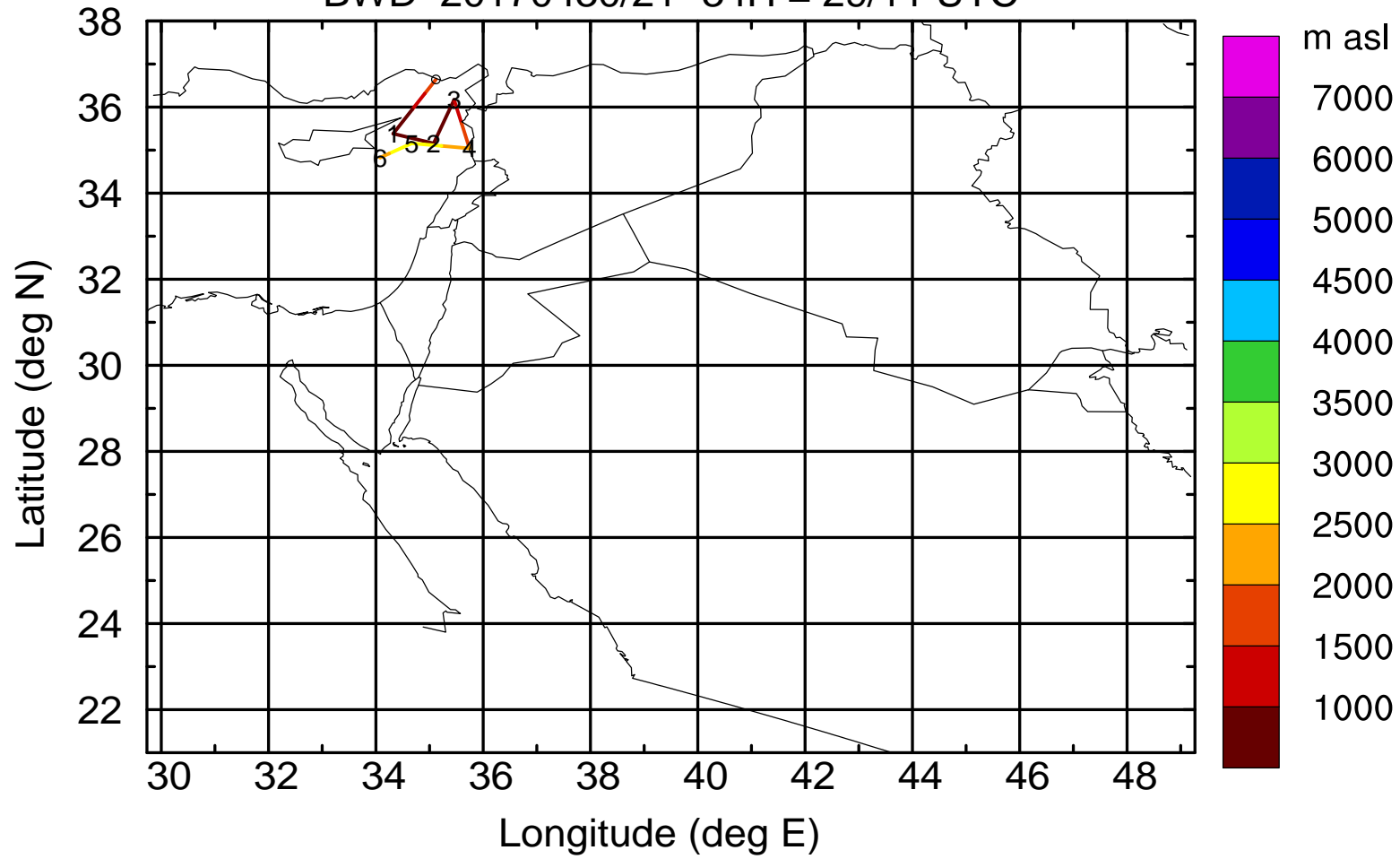
STS ground station 20170430

BWD 20170430/21 -33H = 29/12 UTC



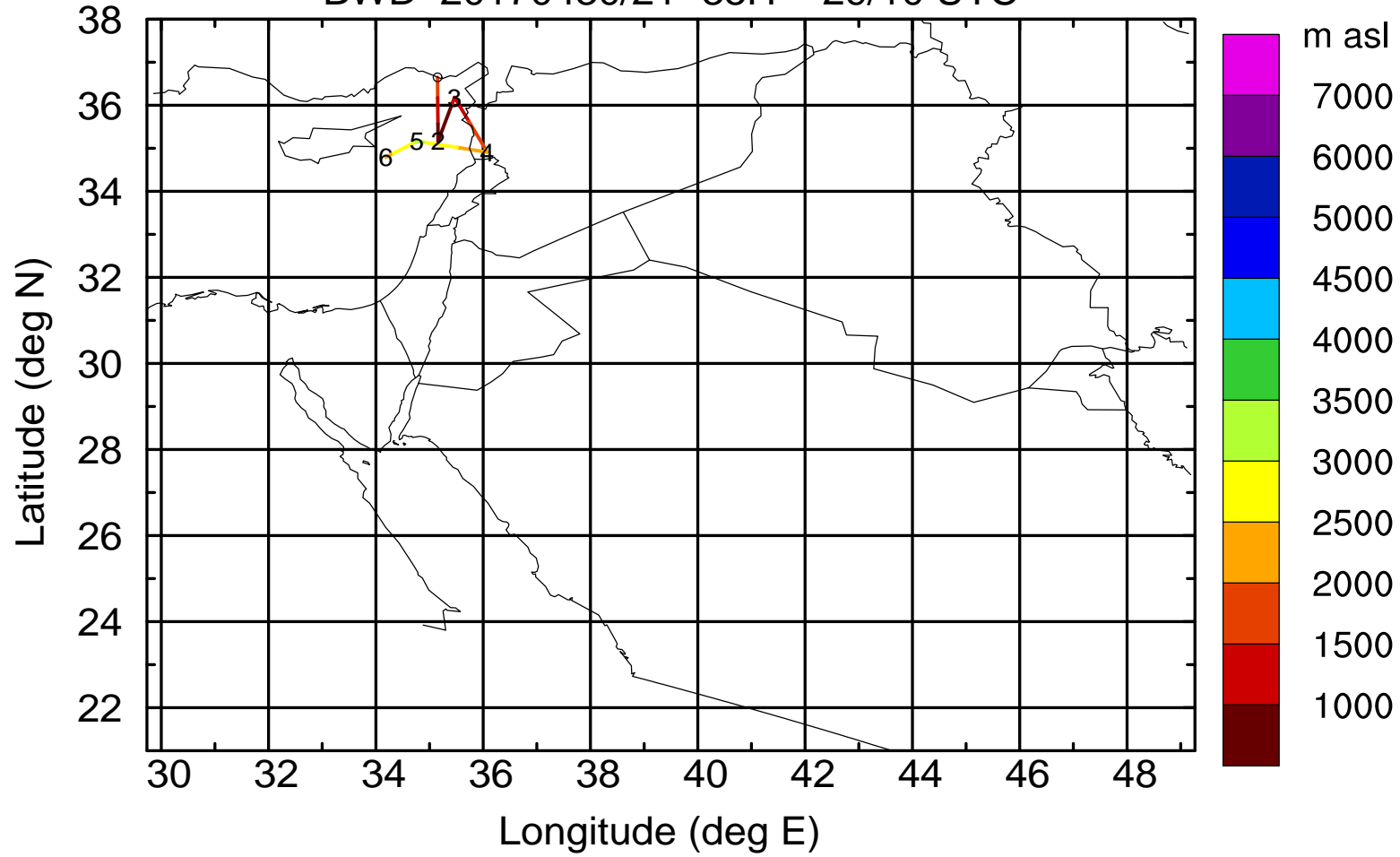
STS ground station 20170430

BWD 20170430/21 -34H = 29/11 UTC



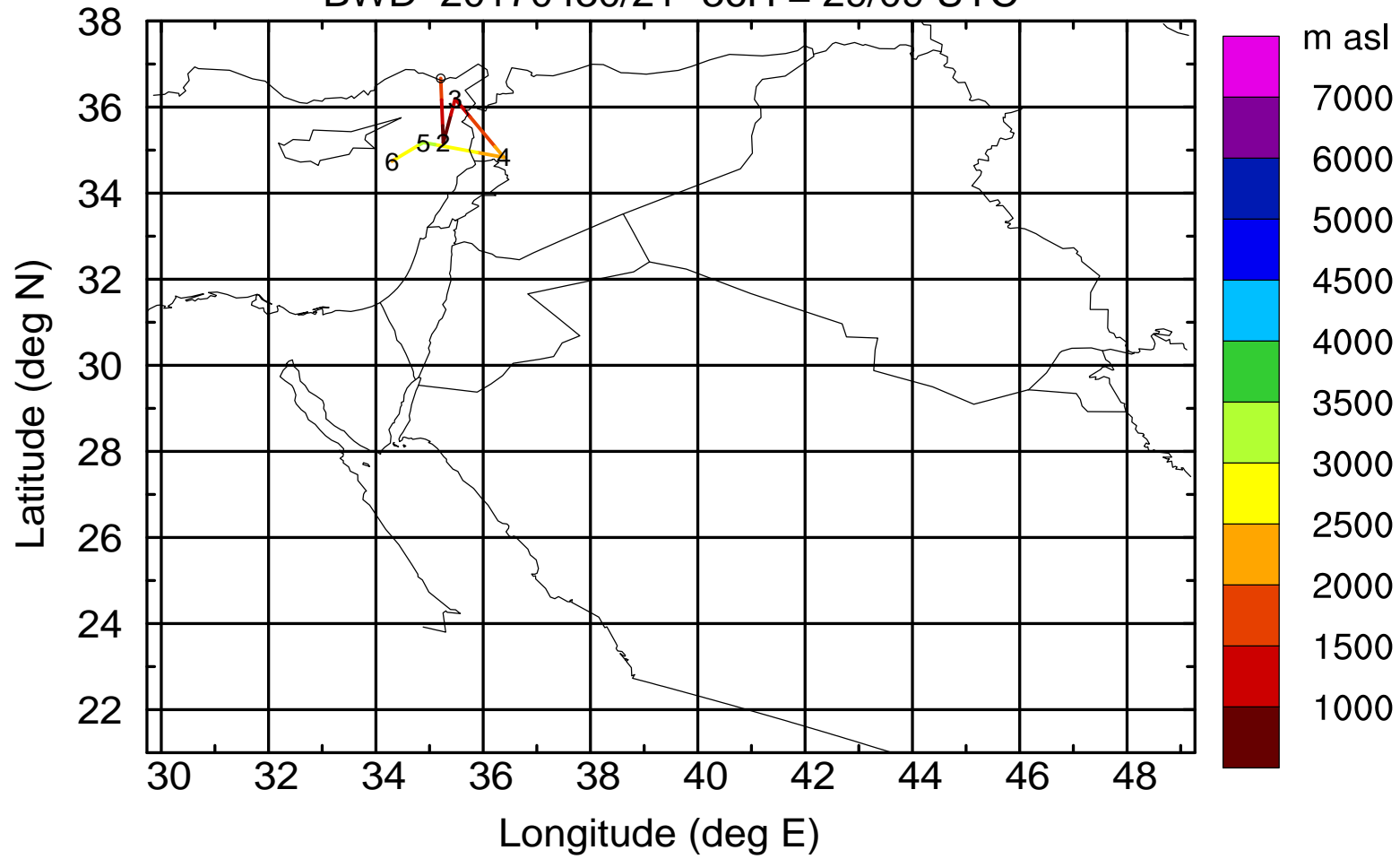
STS ground station 20170430

BWD 20170430/21 -35H = 29/10 UTC



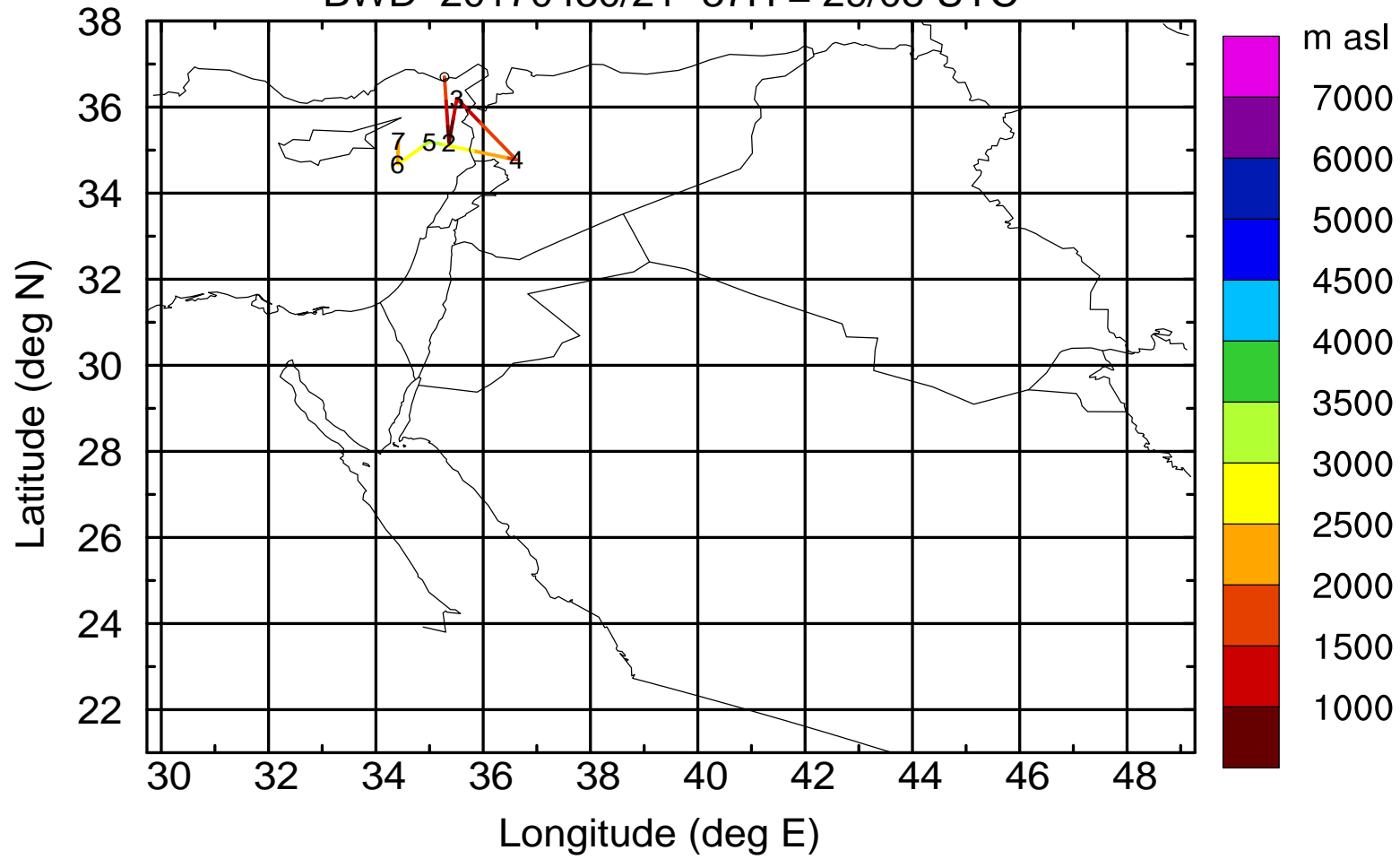
STS ground station 20170430

BWD 20170430/21 -36H = 29/09 UTC



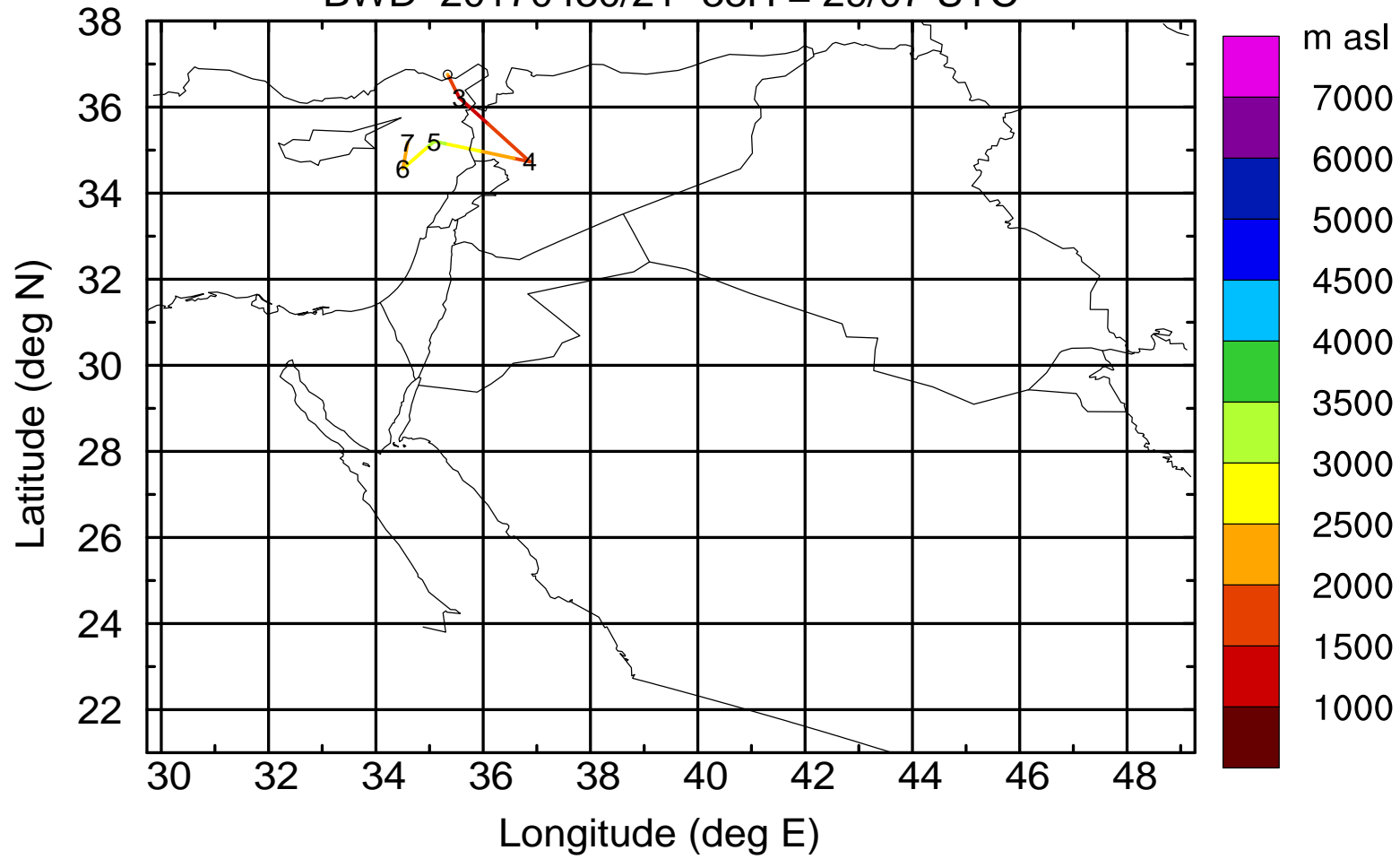
STS ground station 20170430

BWD 20170430/21 -37H = 29/08 UTC



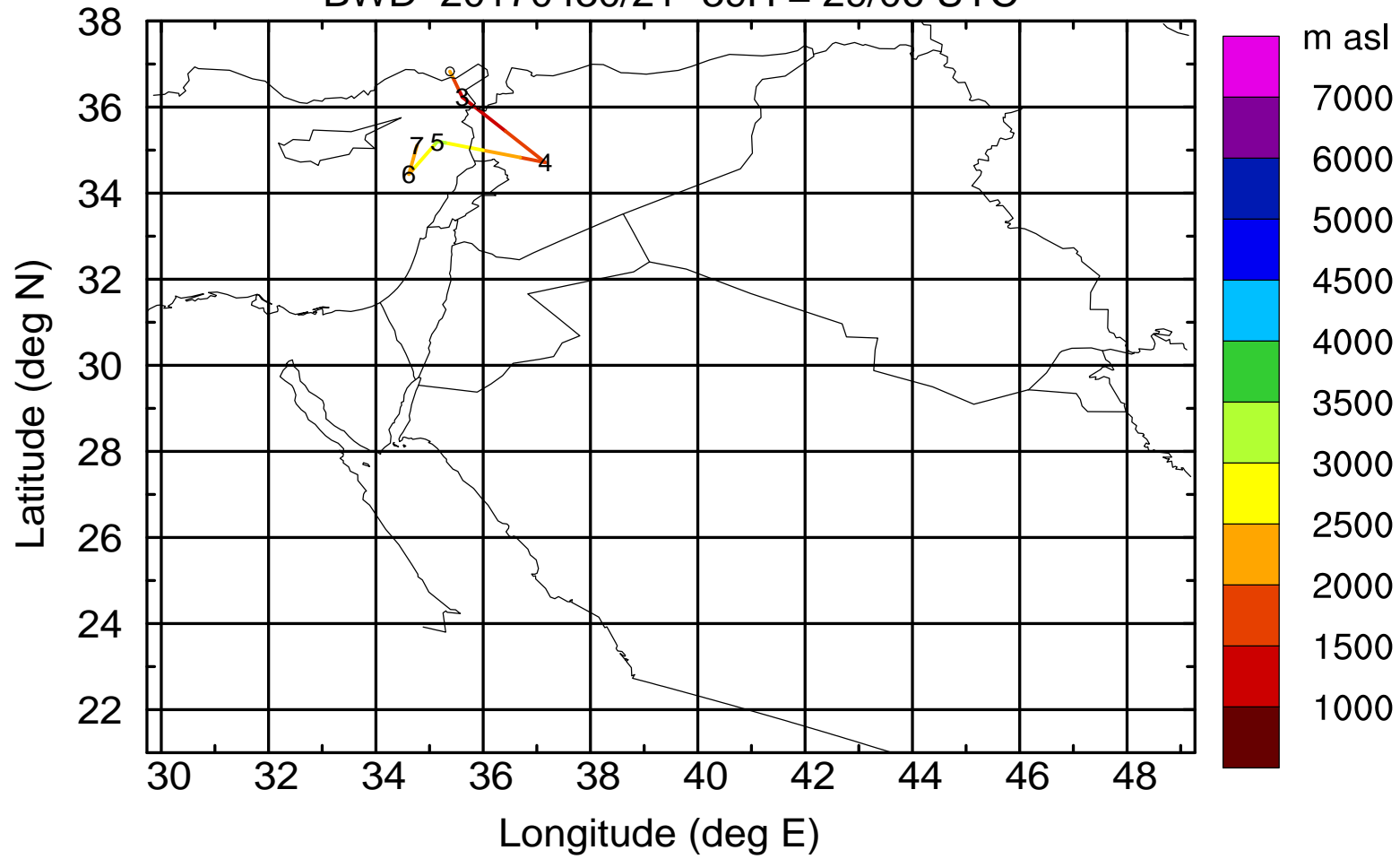
STS ground station 20170430

BWD 20170430/21 -38H = 29/07 UTC



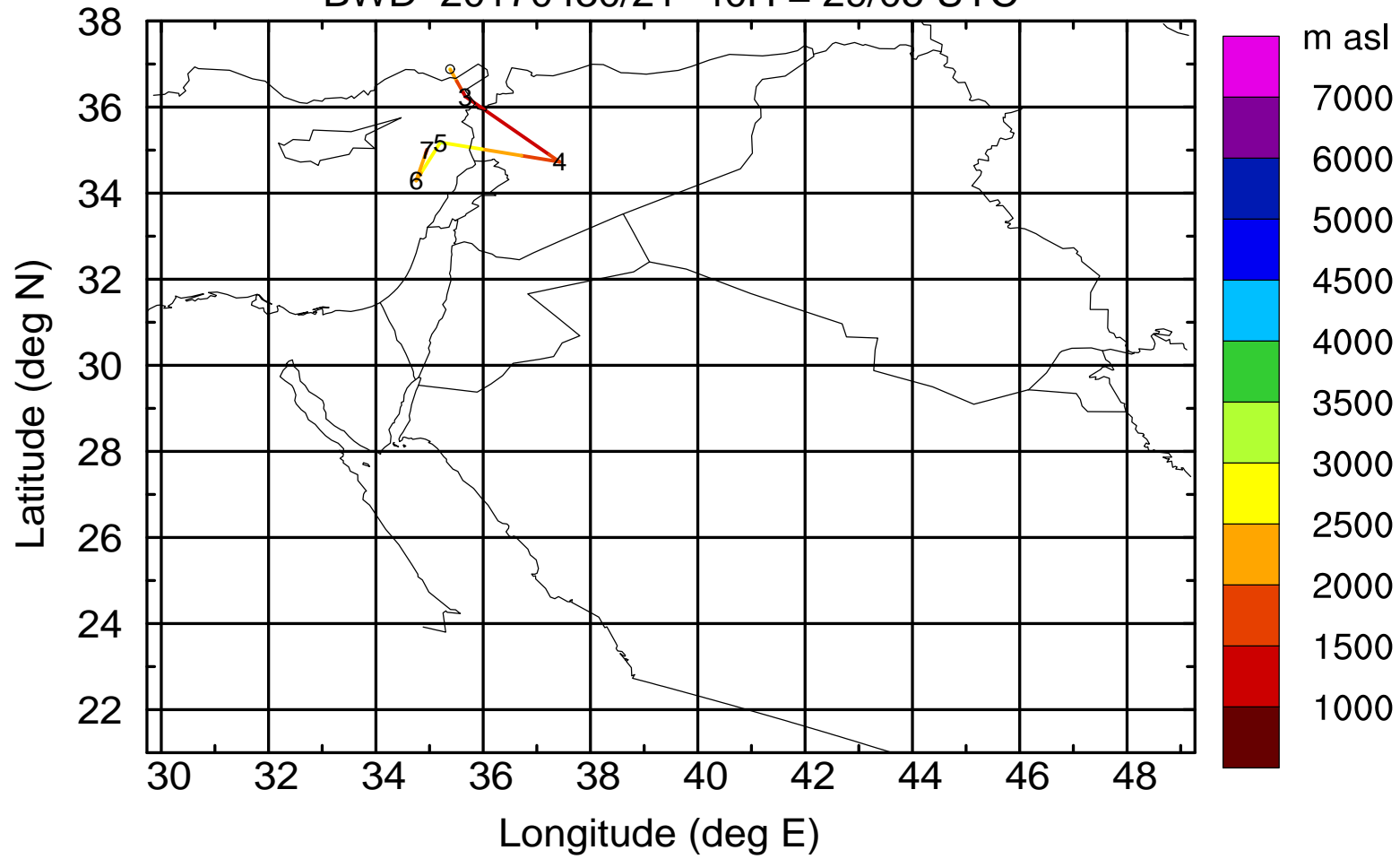
STS ground station 20170430

BWD 20170430/21 -39H = 29/06 UTC



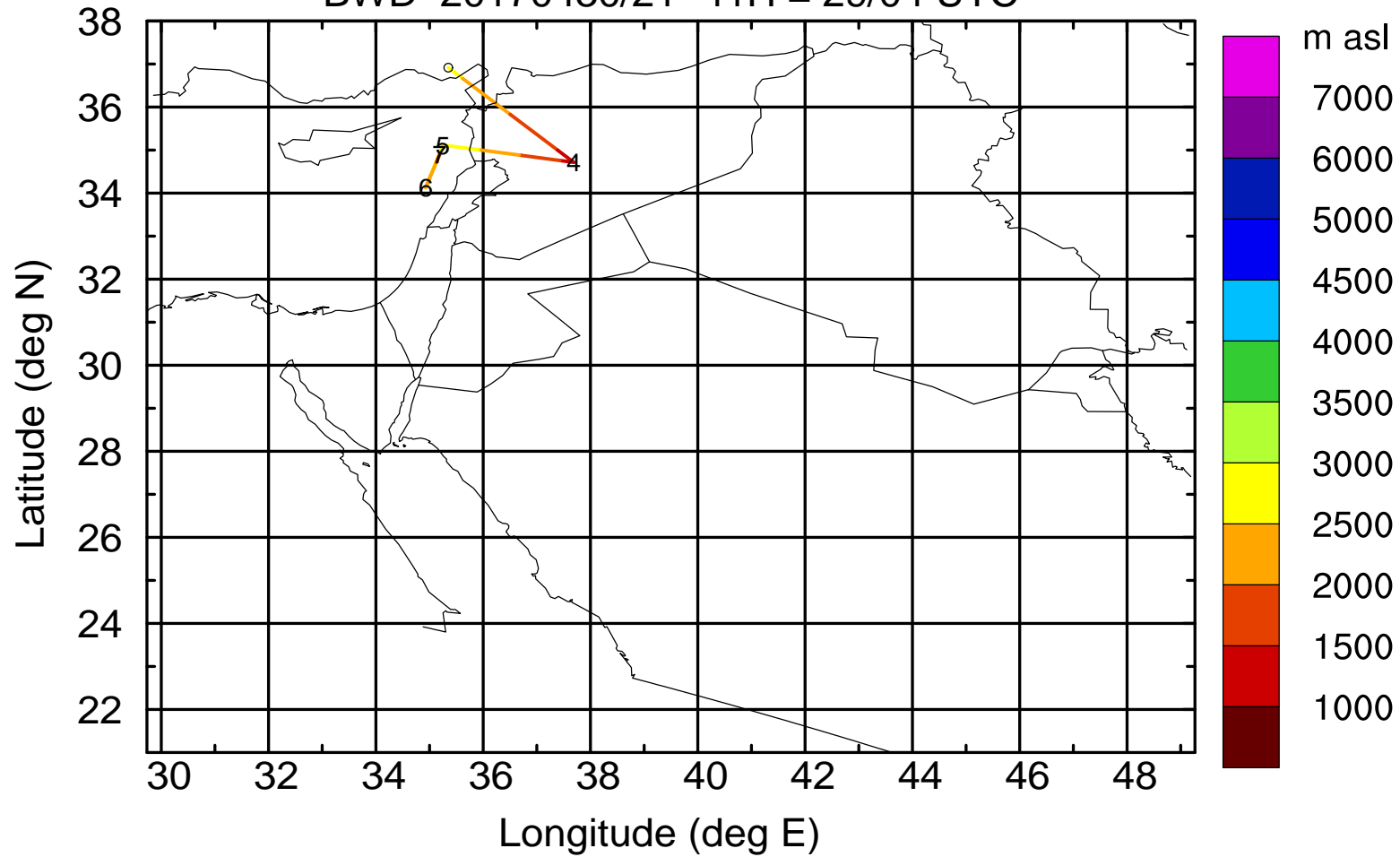
STS ground station 20170430

BWD 20170430/21 -40H = 29/05 UTC



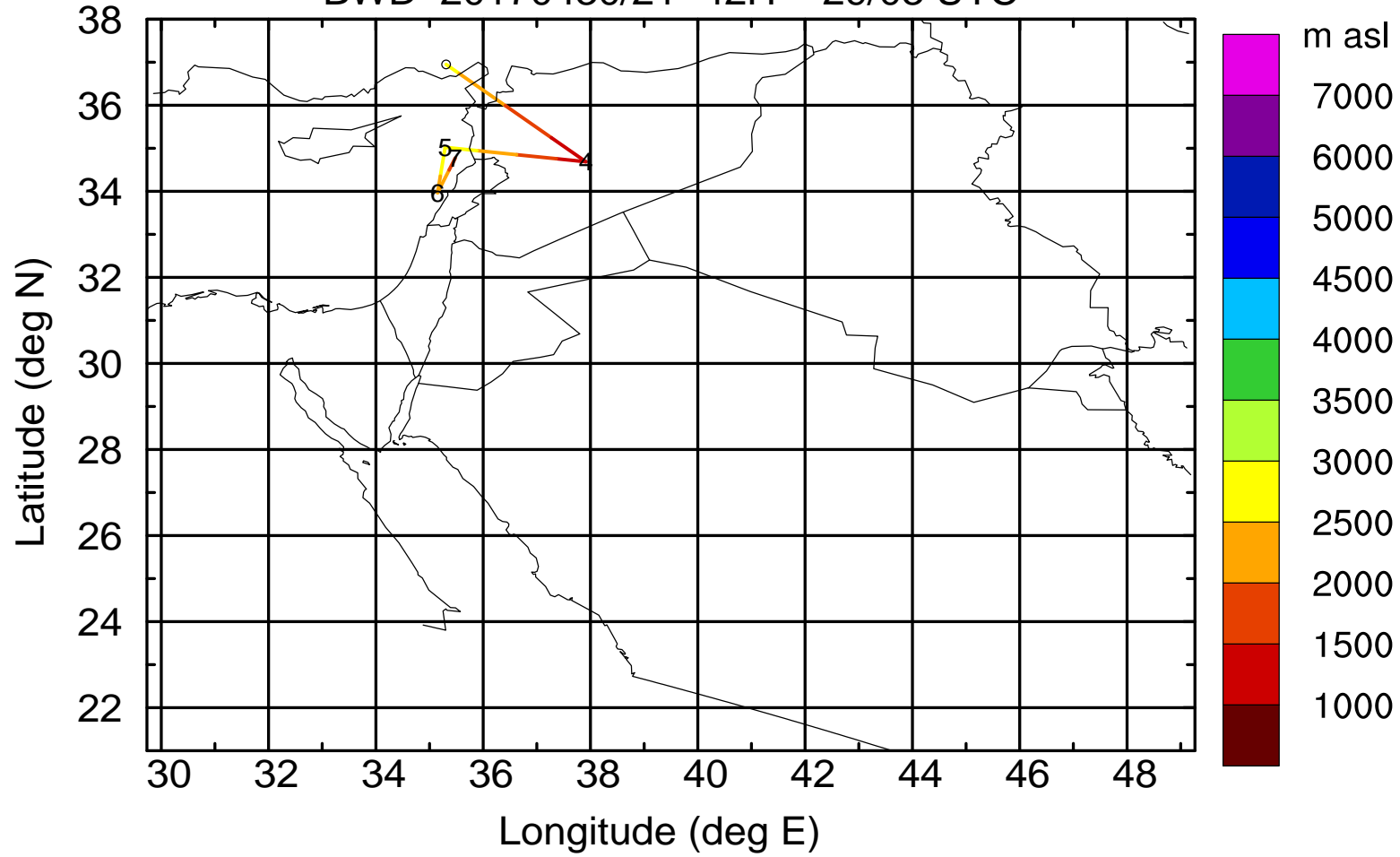
STS ground station 20170430

BWD 20170430/21 -41H = 29/04 UTC



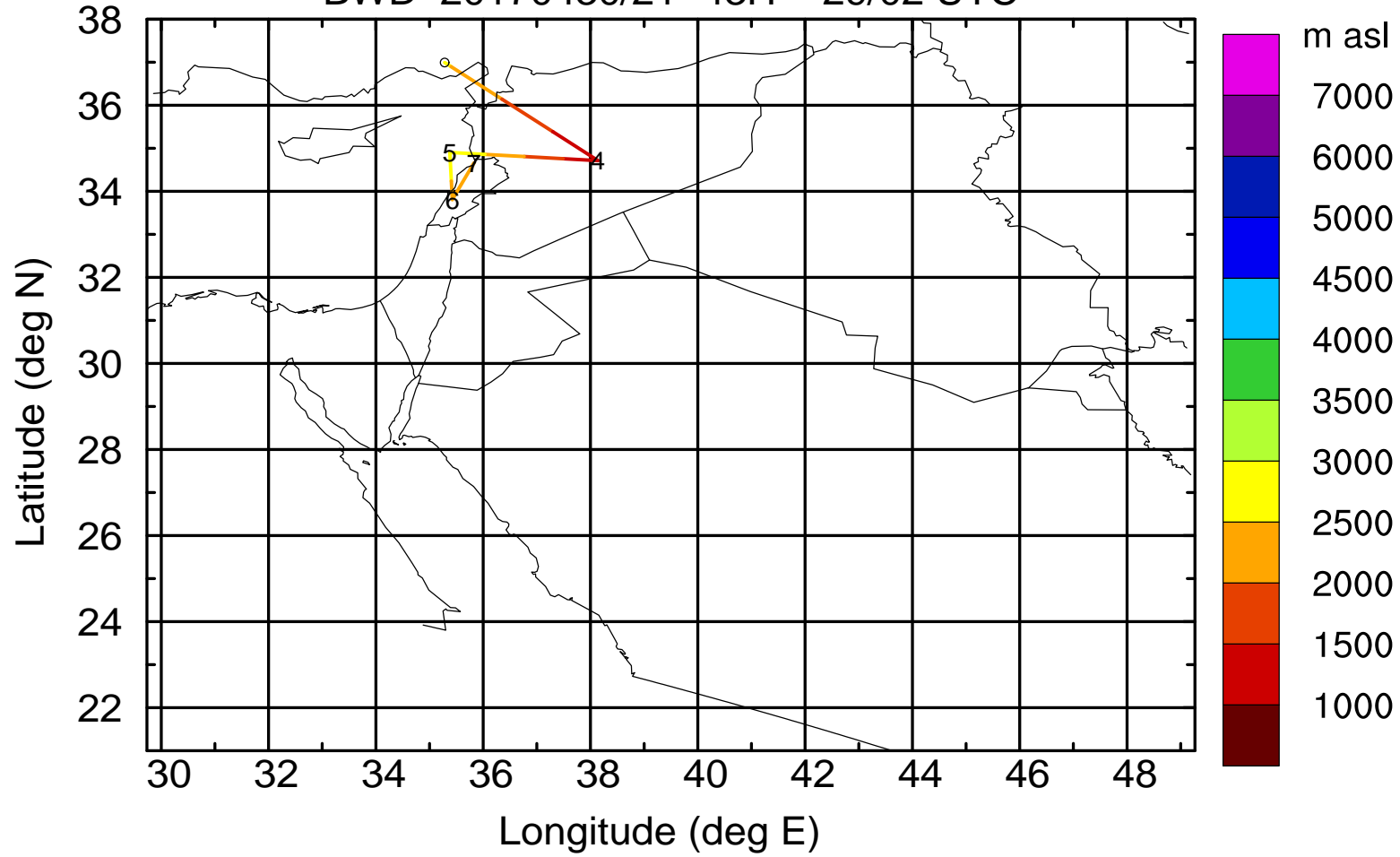
STS ground station 20170430

BWD 20170430/21 -42H = 29/03 UTC



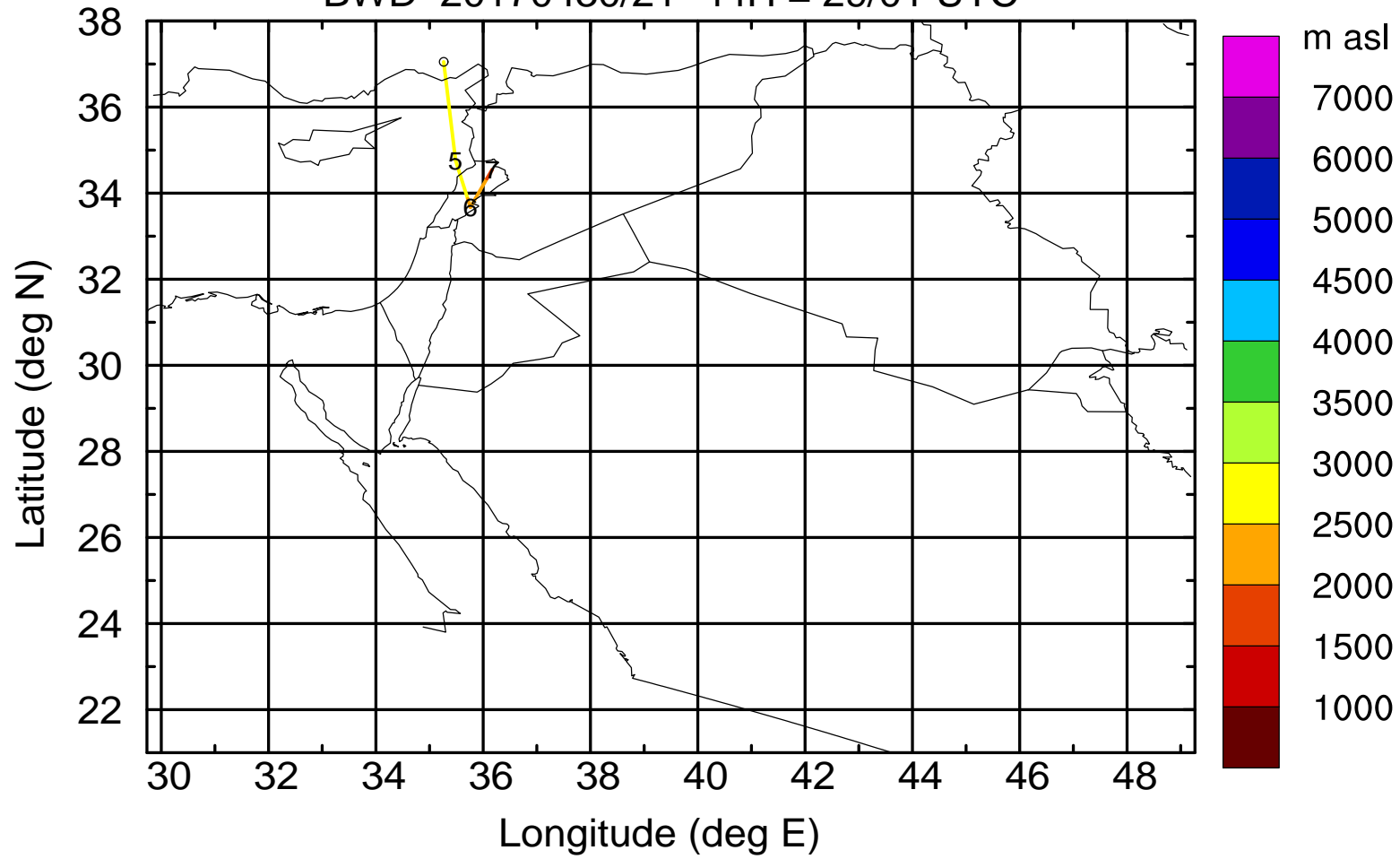
STS ground station 20170430

BWD 20170430/21 -43H = 29/02 UTC



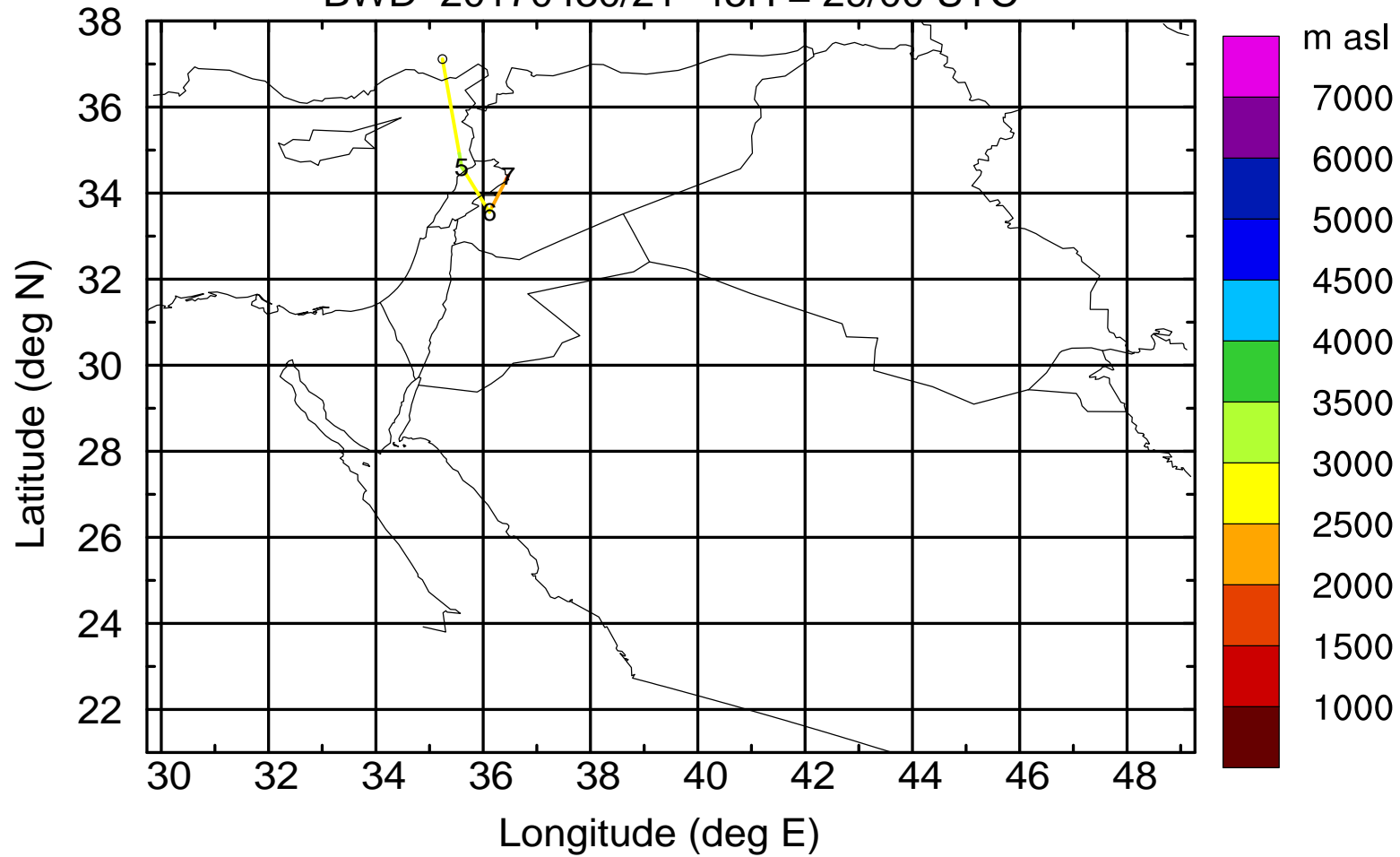
STS ground station 20170430

BWD 20170430/21 -44H = 29/01 UTC



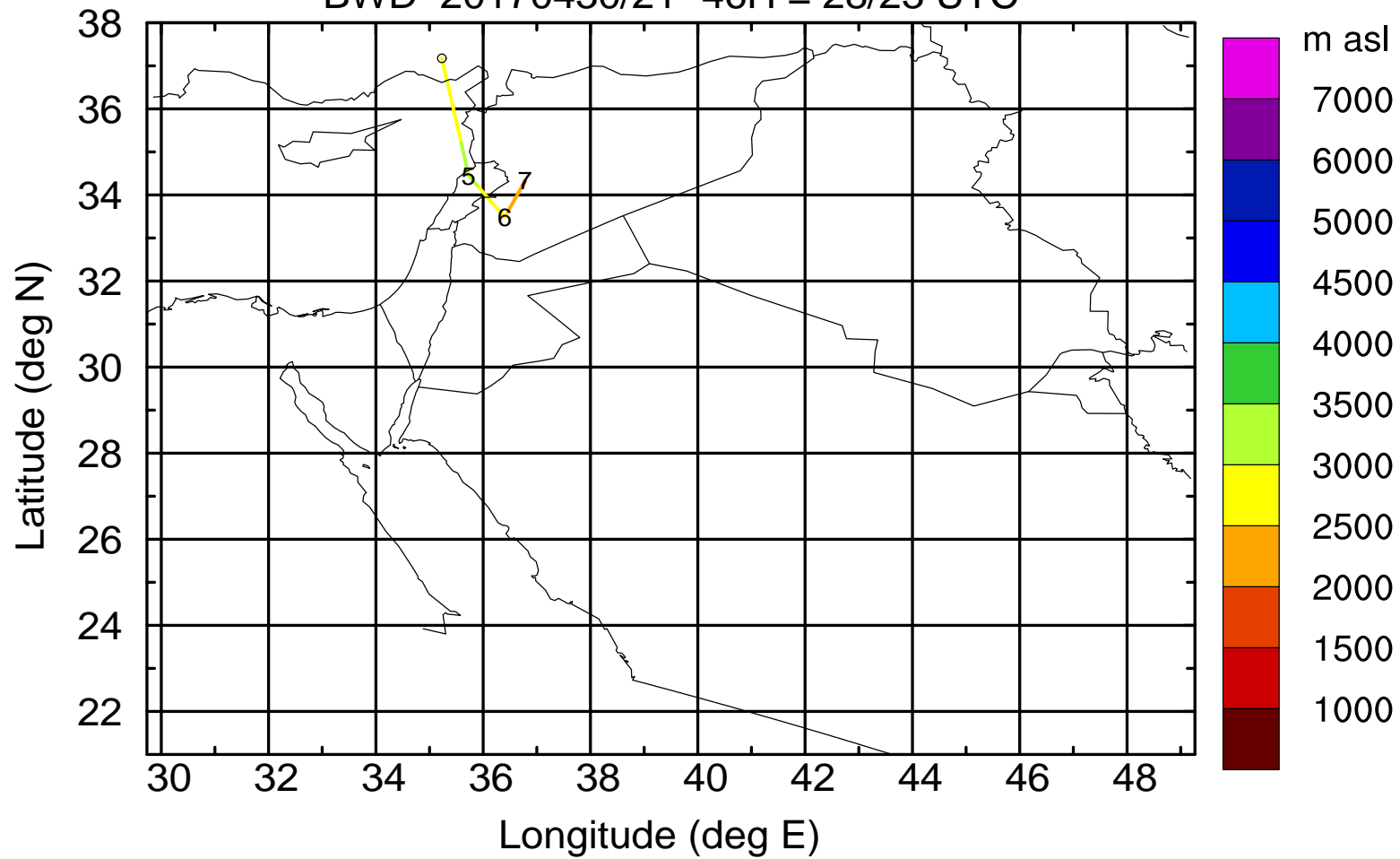
STS ground station 20170430

BWD 20170430/21 -45H = 29/00 UTC



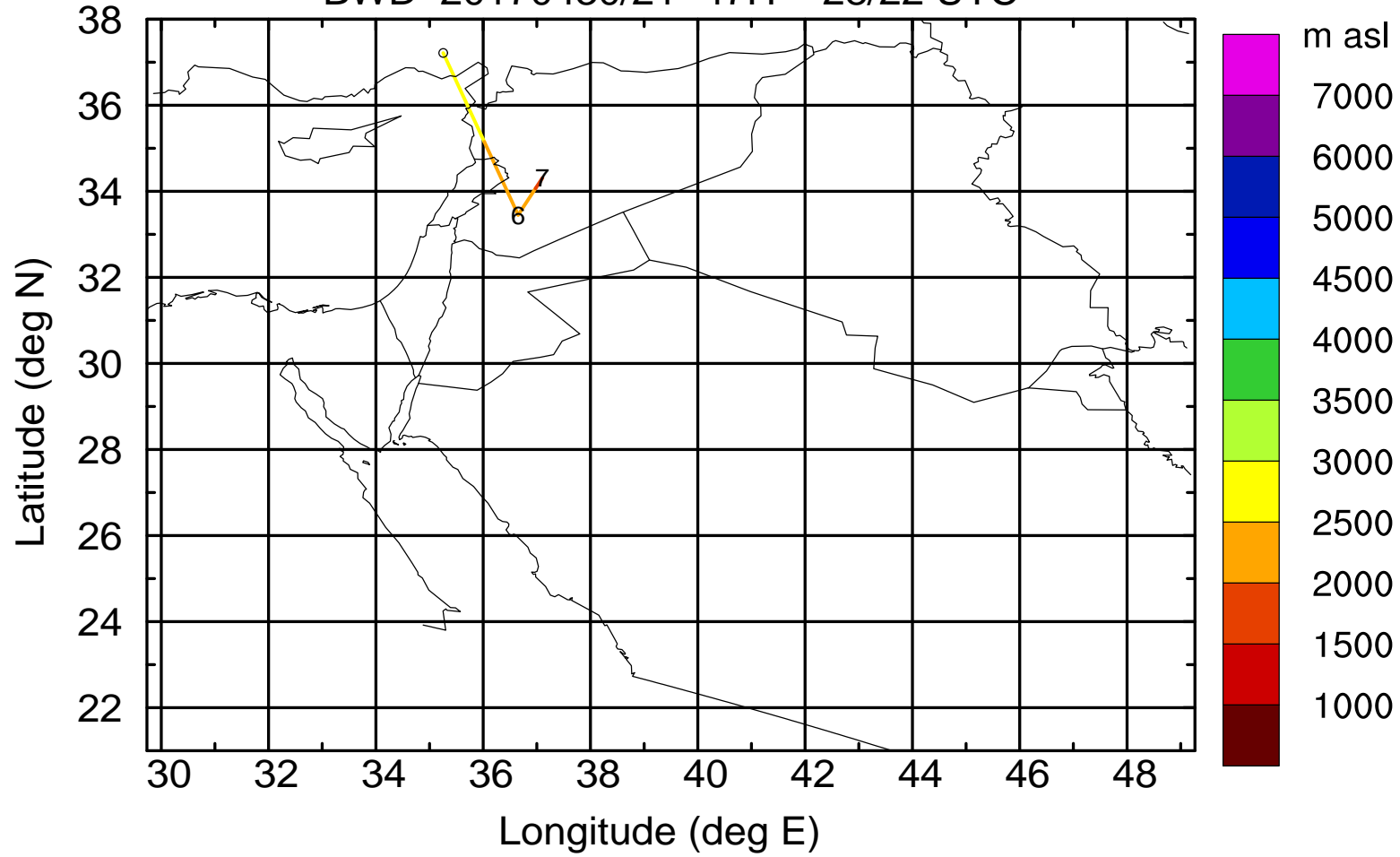
STS ground station 20170430

BWD 20170430/21 -46H = 28/23 UTC



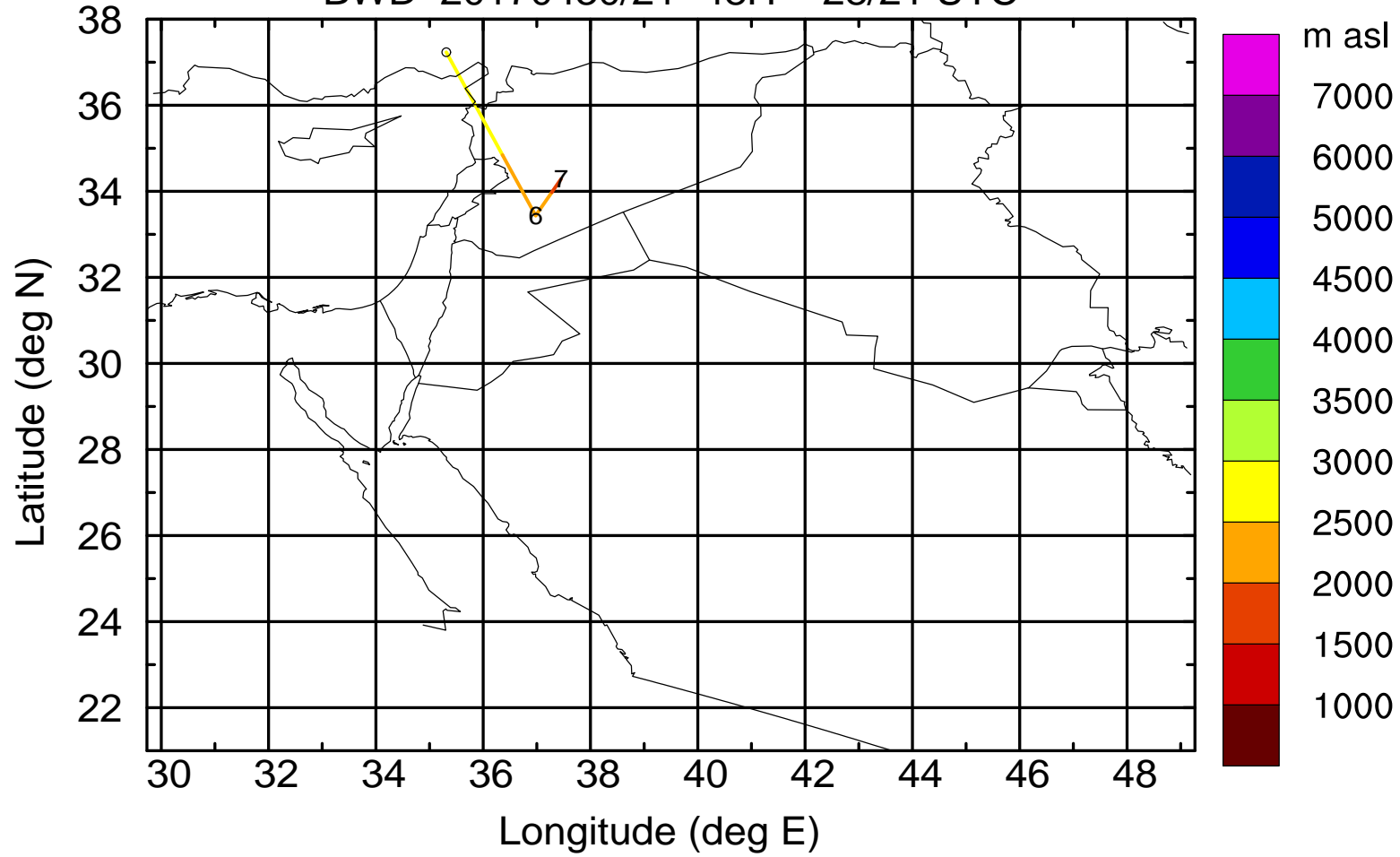
STS ground station 20170430

BWD 20170430/21 -47H = 28/22 UTC



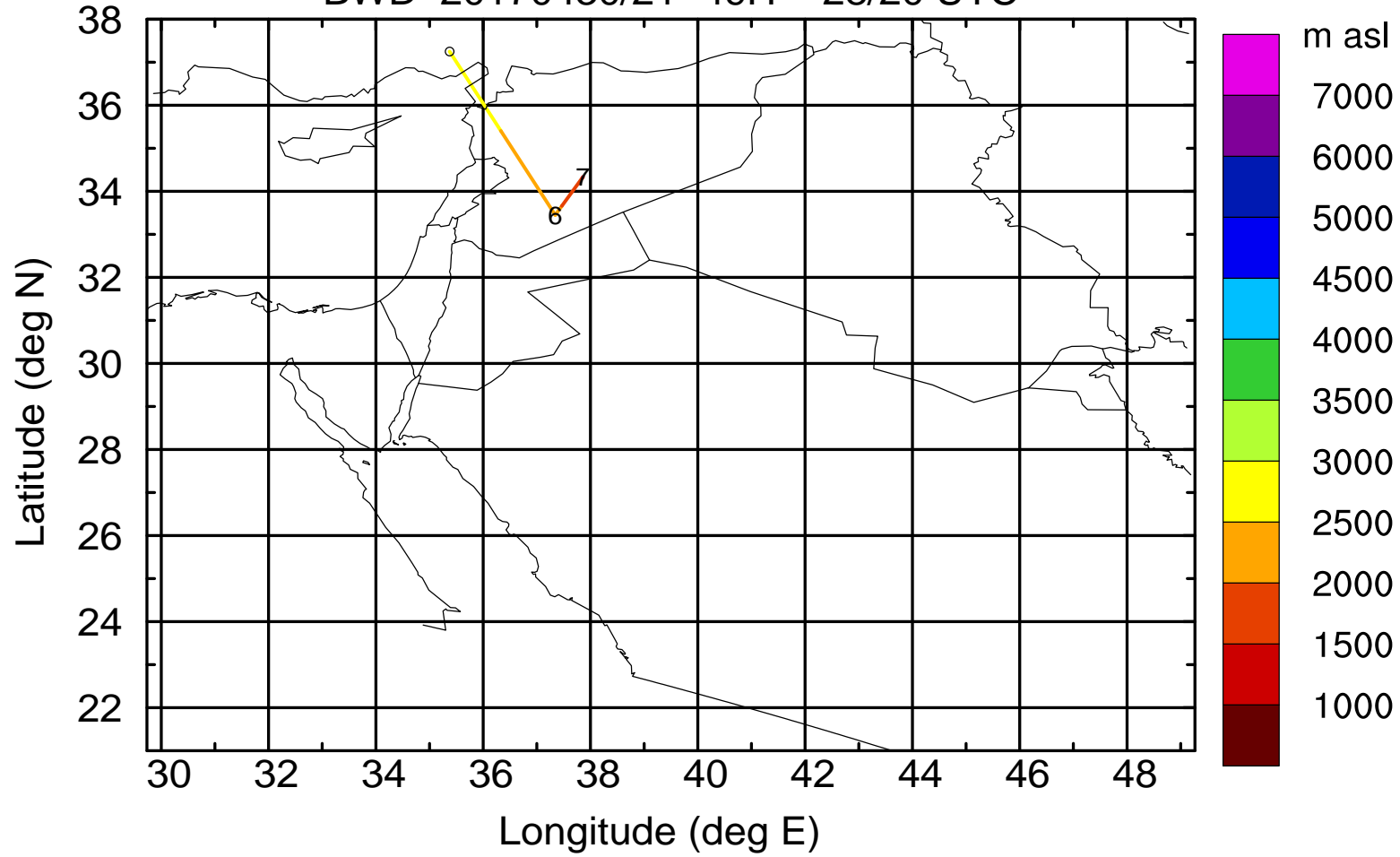
STS ground station 20170430

BWD 20170430/21 -48H = 28/21 UTC



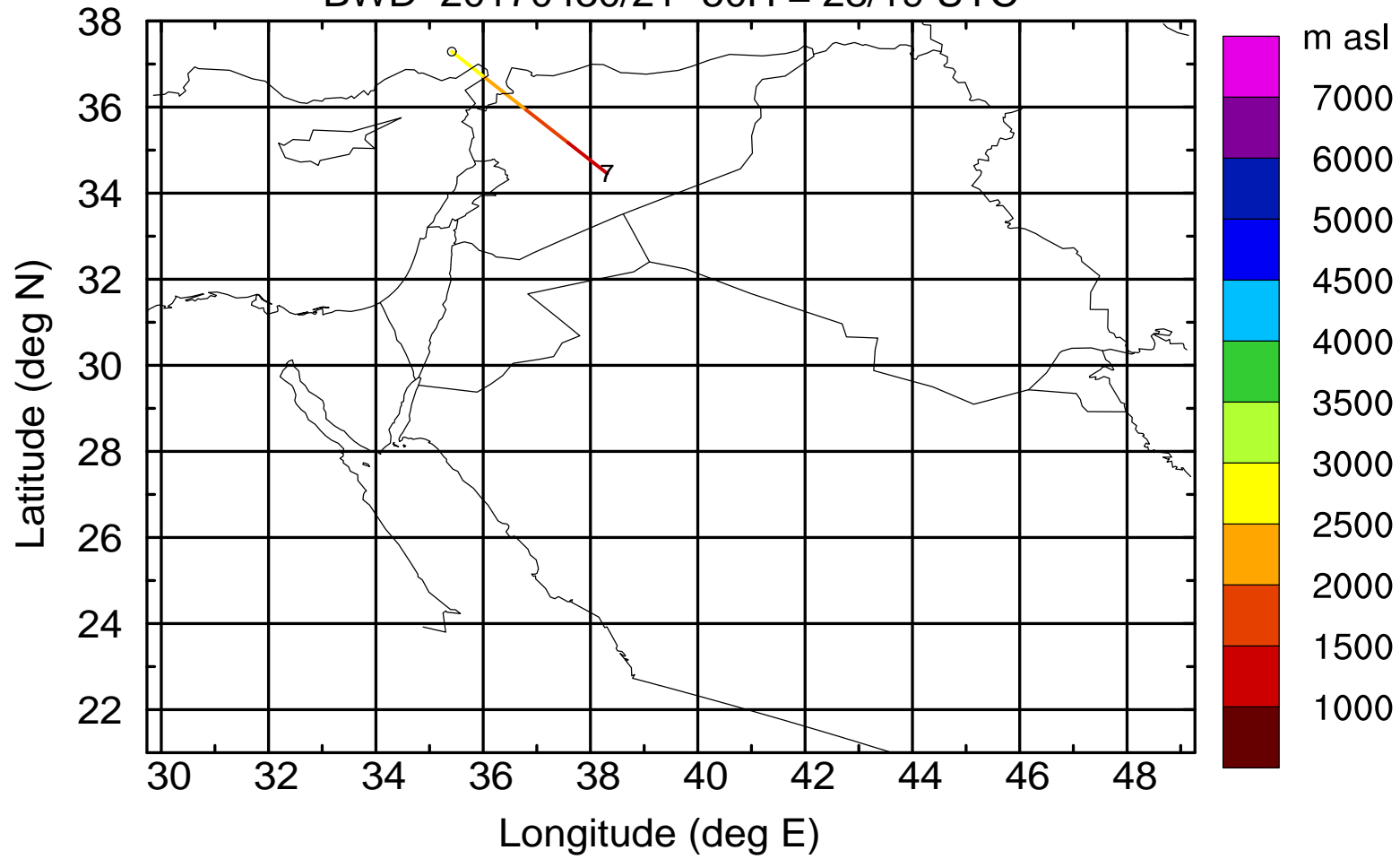
STS ground station 20170430

BWD 20170430/21 -49H = 28/20 UTC



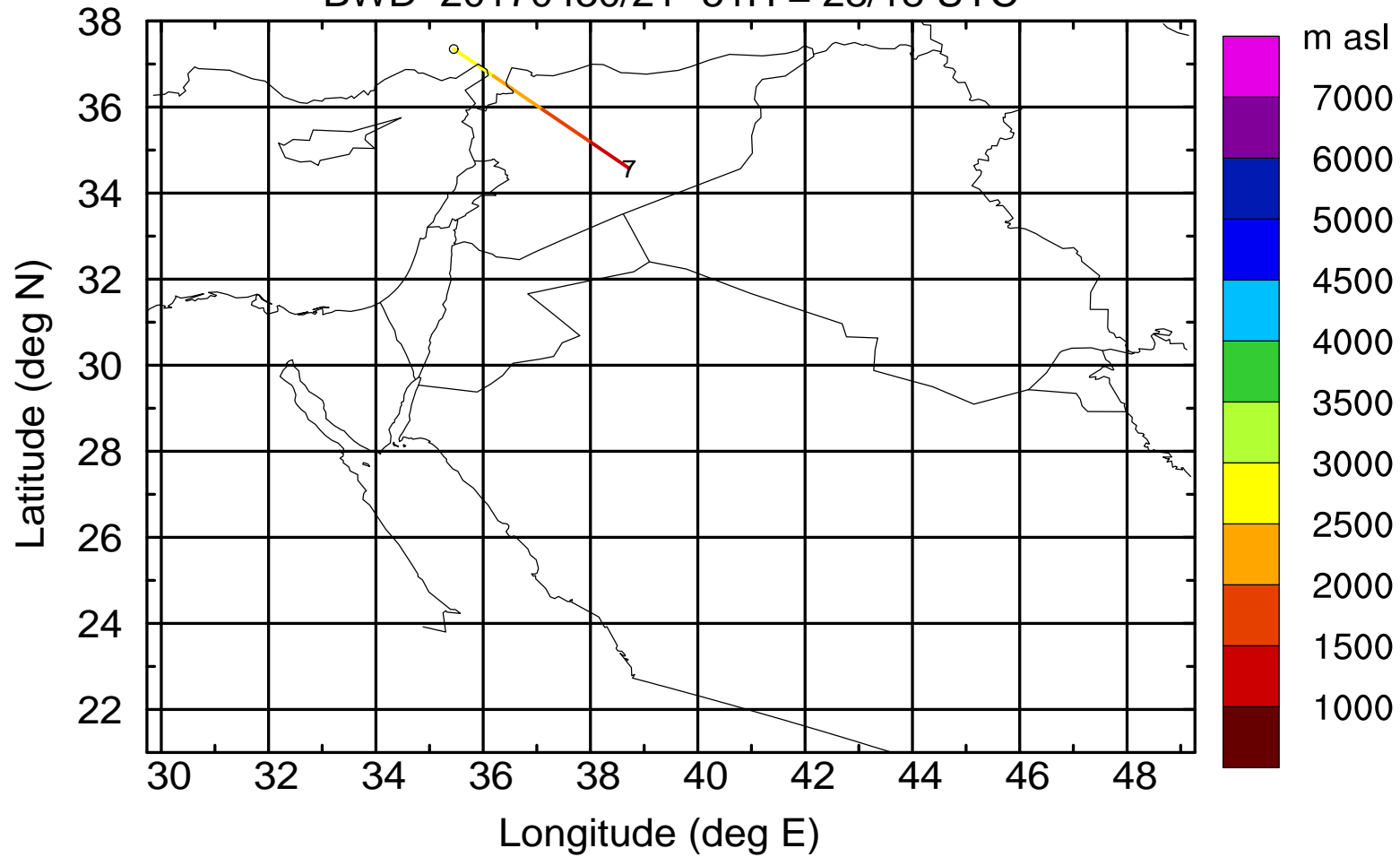
STS ground station 20170430

BWD 20170430/21 -50H = 28/19 UTC



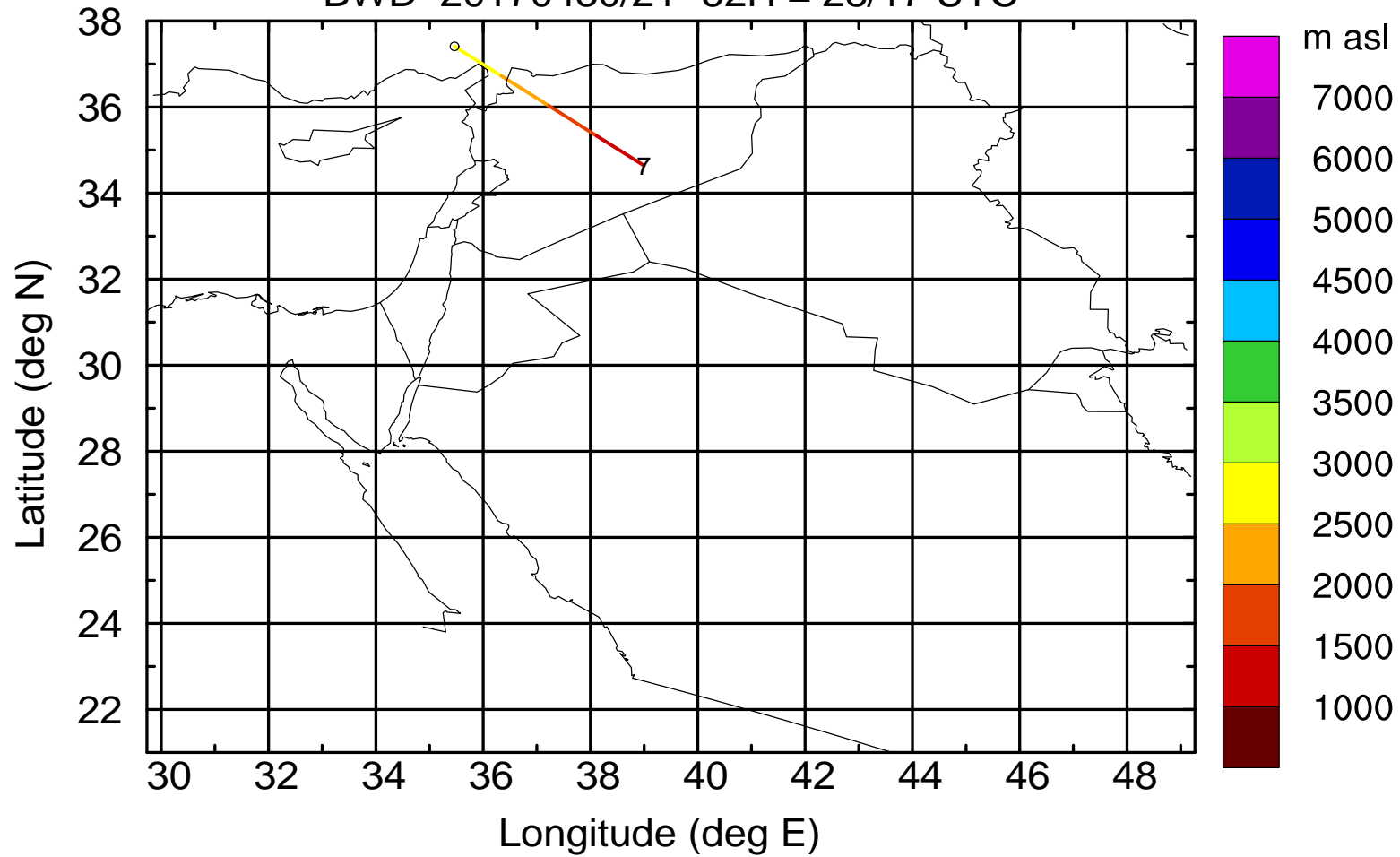
STS ground station 20170430

BWD 20170430/21 -51H = 28/18 UTC



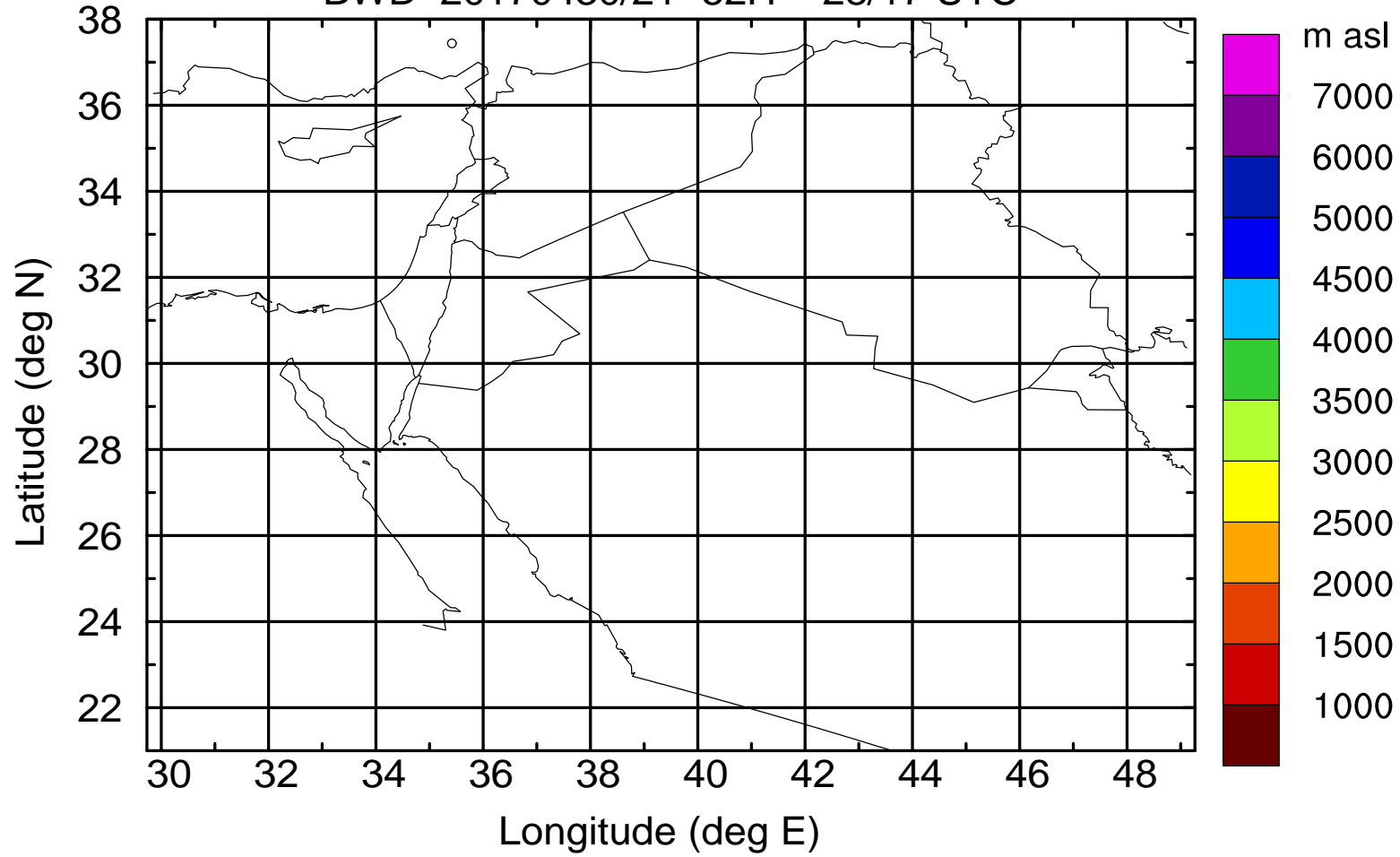
STS ground station 20170430

BWD 20170430/21 -52H = 28/17 UTC



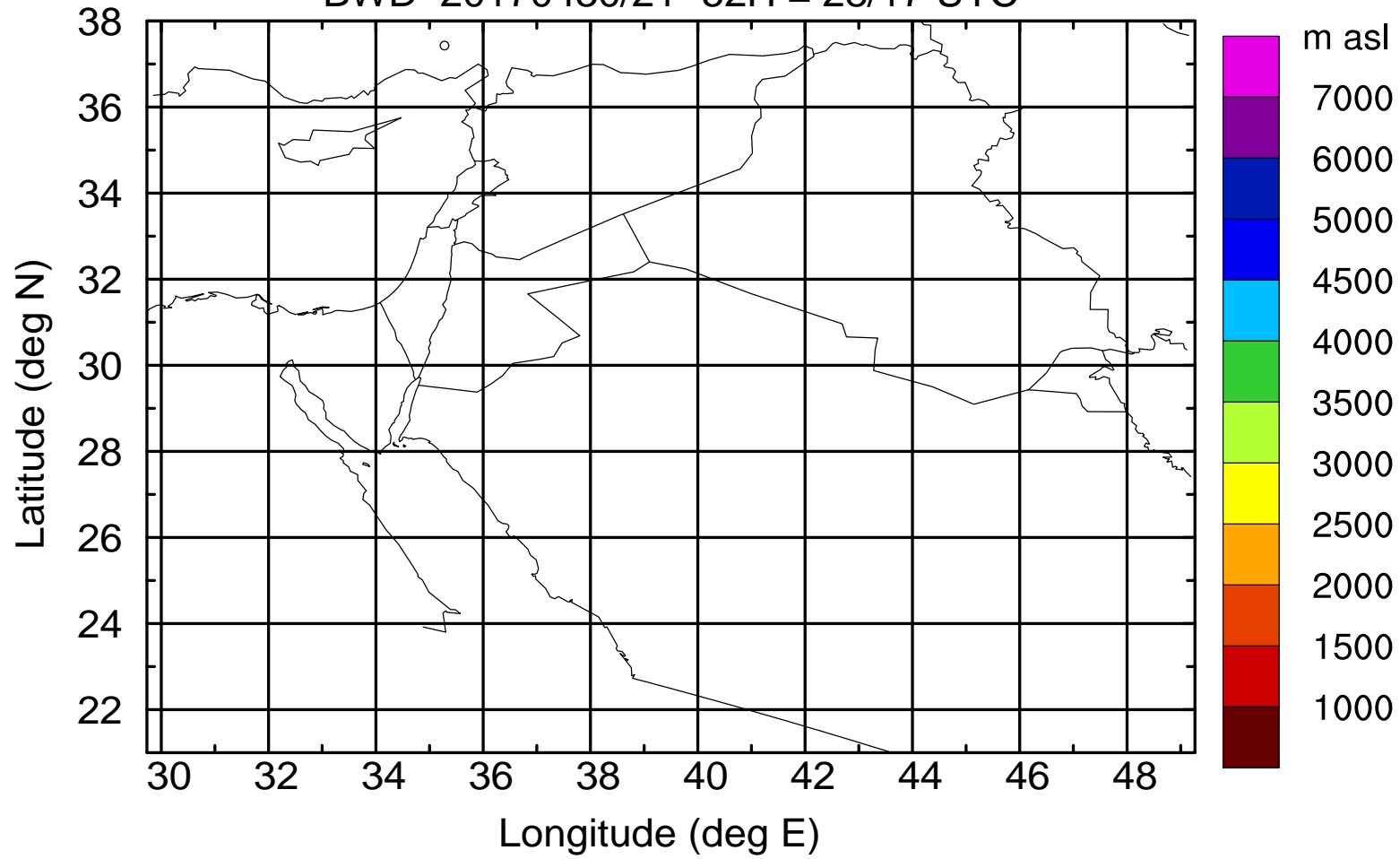
STS ground station 20170430

BWD 20170430/21 -52H = 28/17 UTC



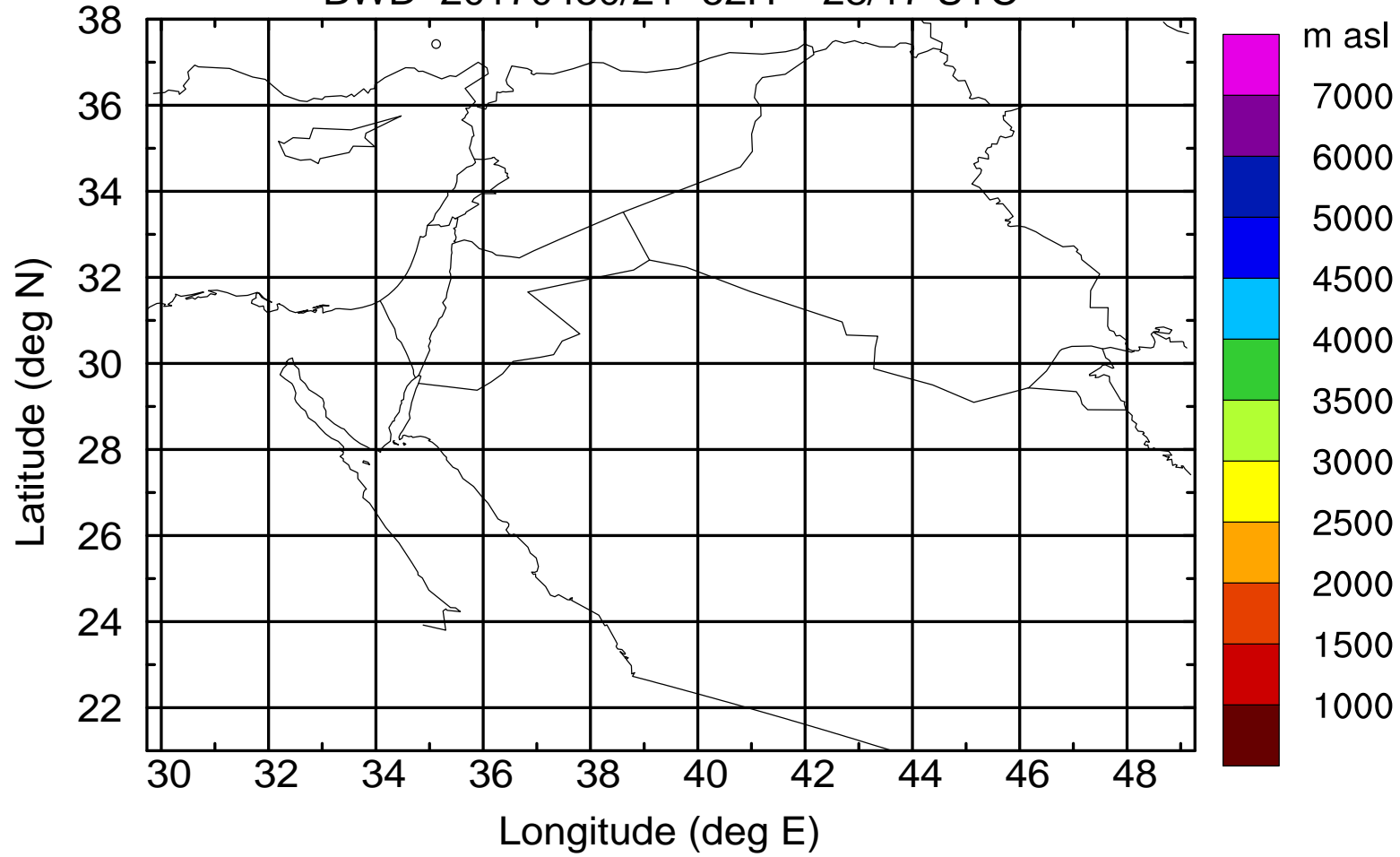
STS ground station 20170430

BWD 20170430/21 -52H = 28/17 UTC



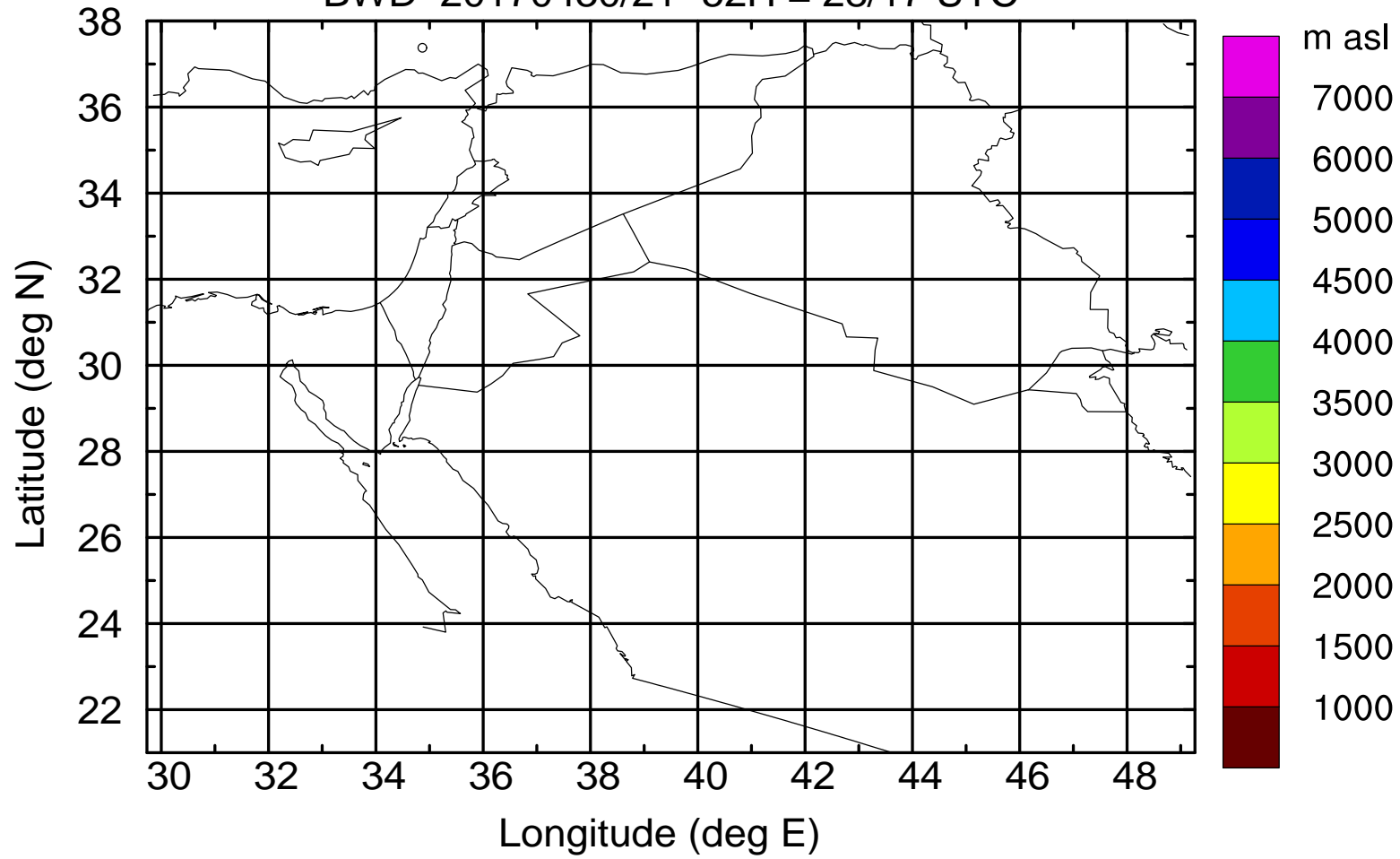
STS ground station 20170430

BWD 20170430/21 -52H = 28/17 UTC



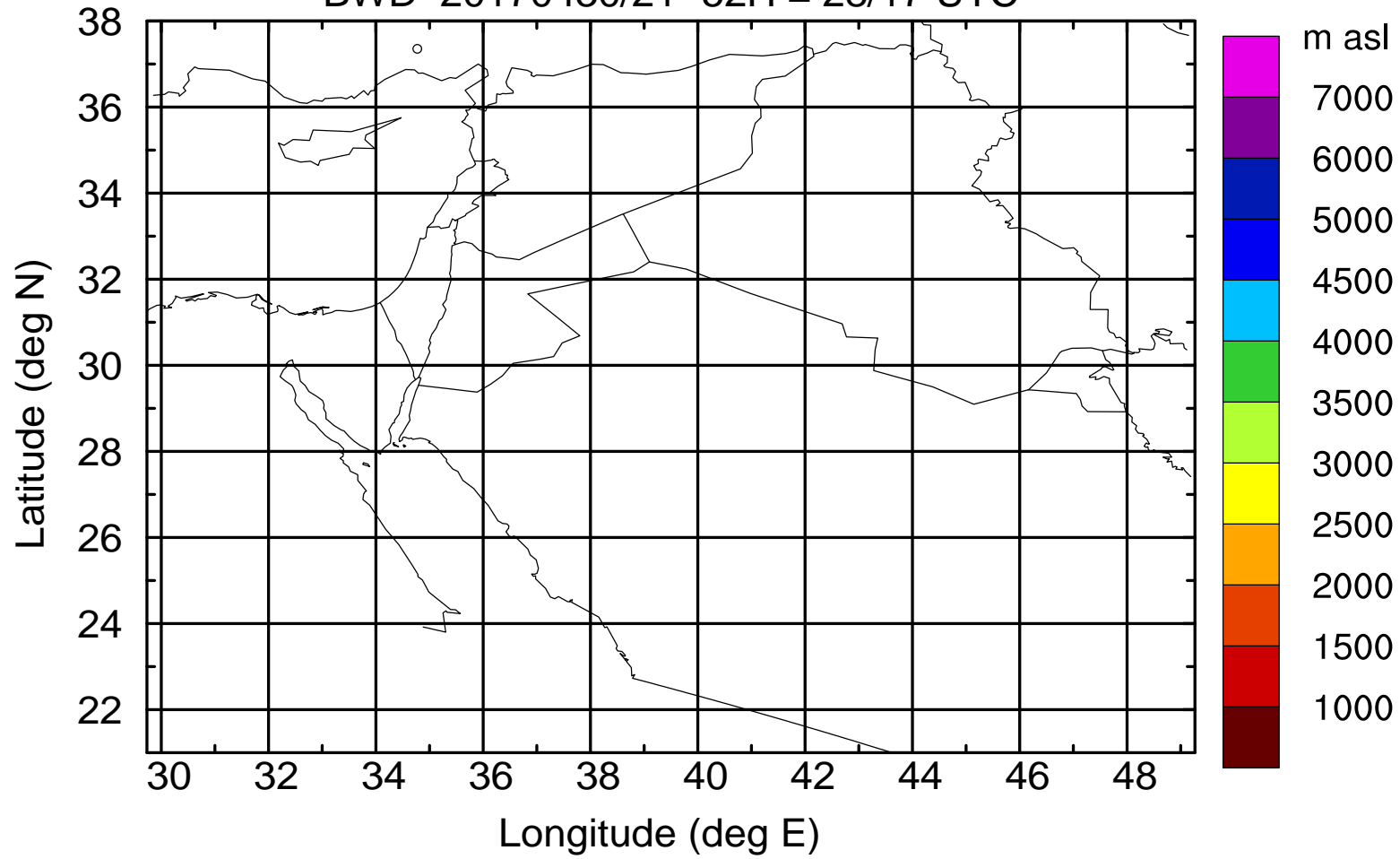
STS ground station 20170430

BWD 20170430/21 -52H = 28/17 UTC



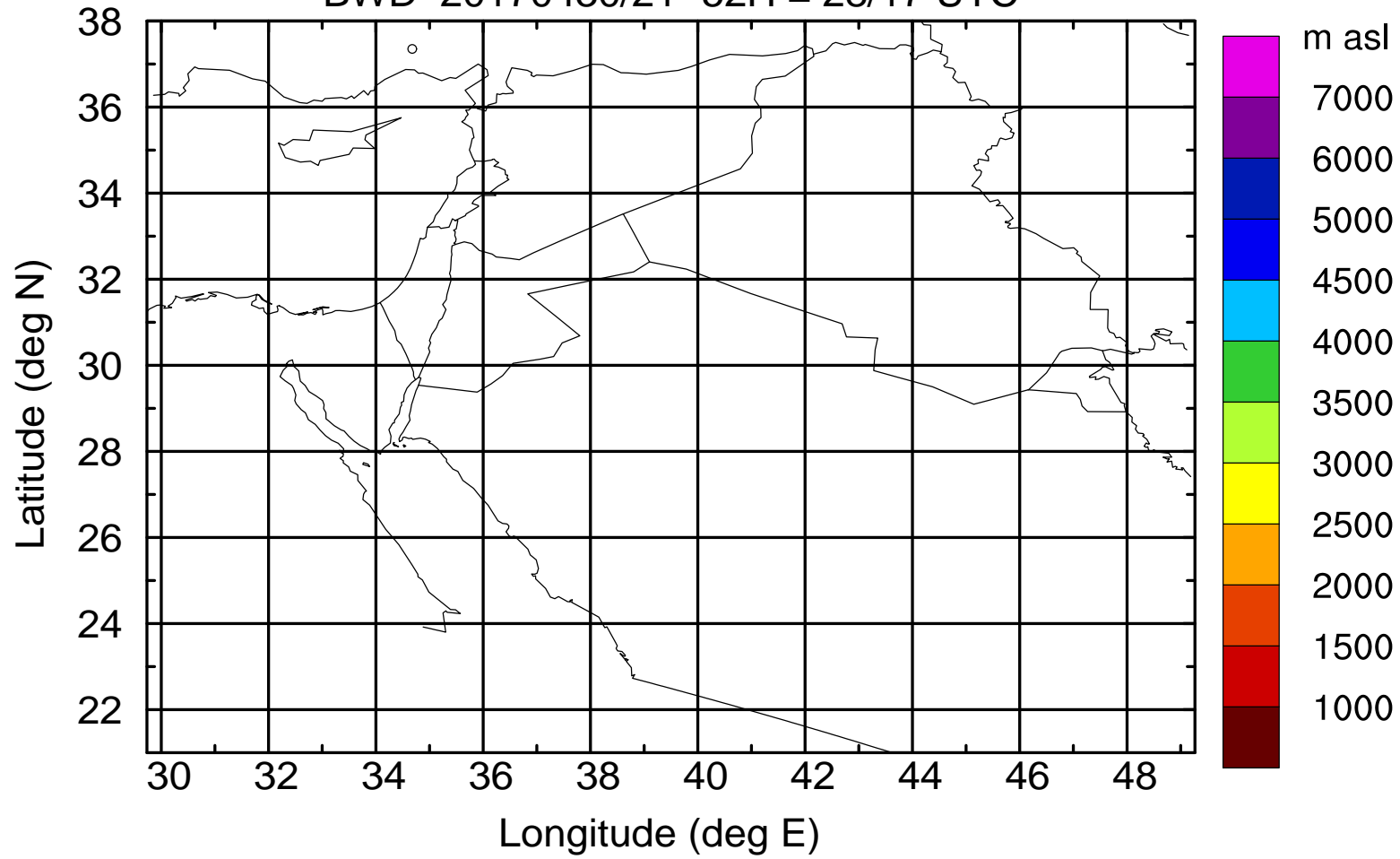
STS ground station 20170430

BWD 20170430/21 -52H = 28/17 UTC



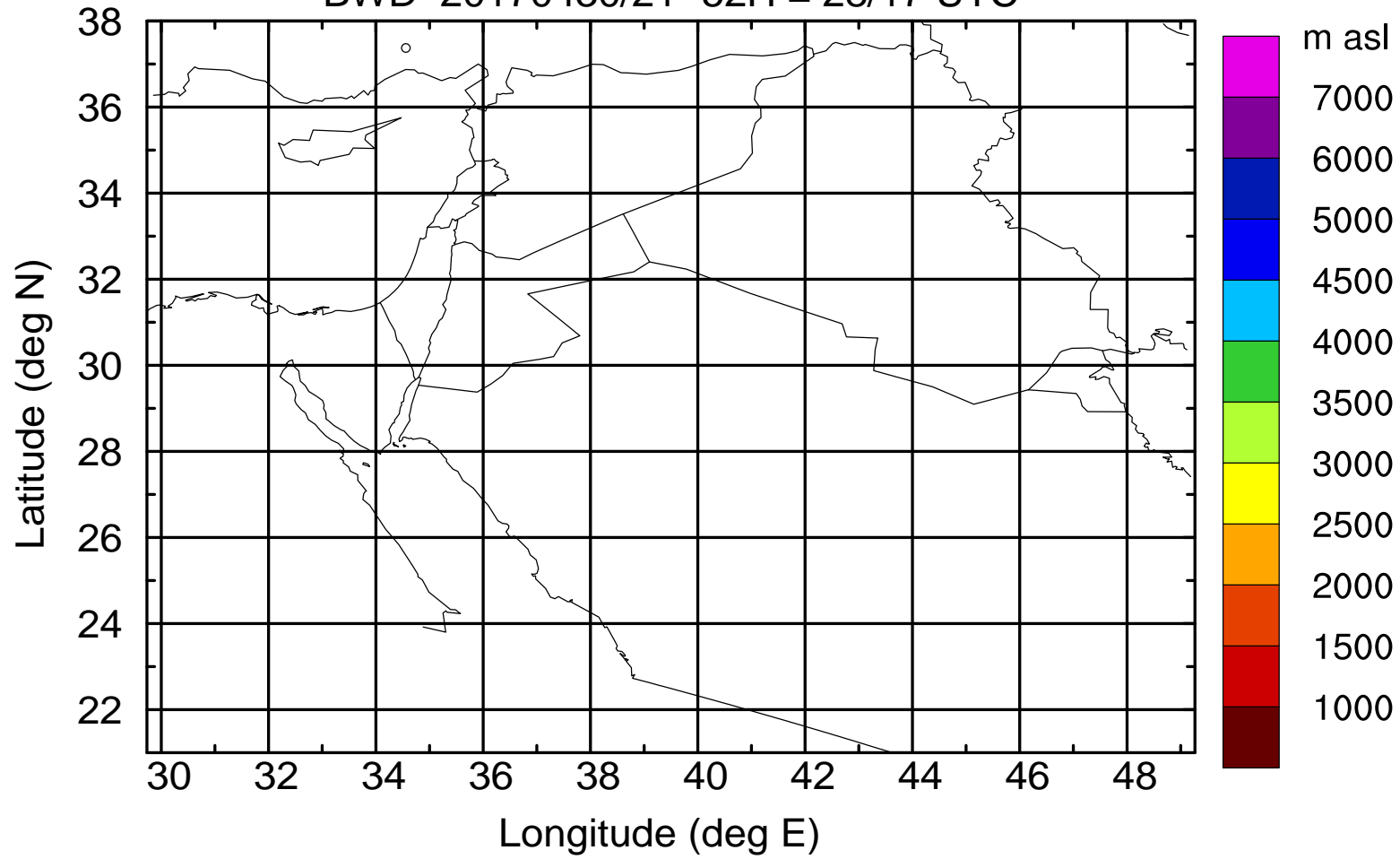
STS ground station 20170430

BWD 20170430/21 -52H = 28/17 UTC



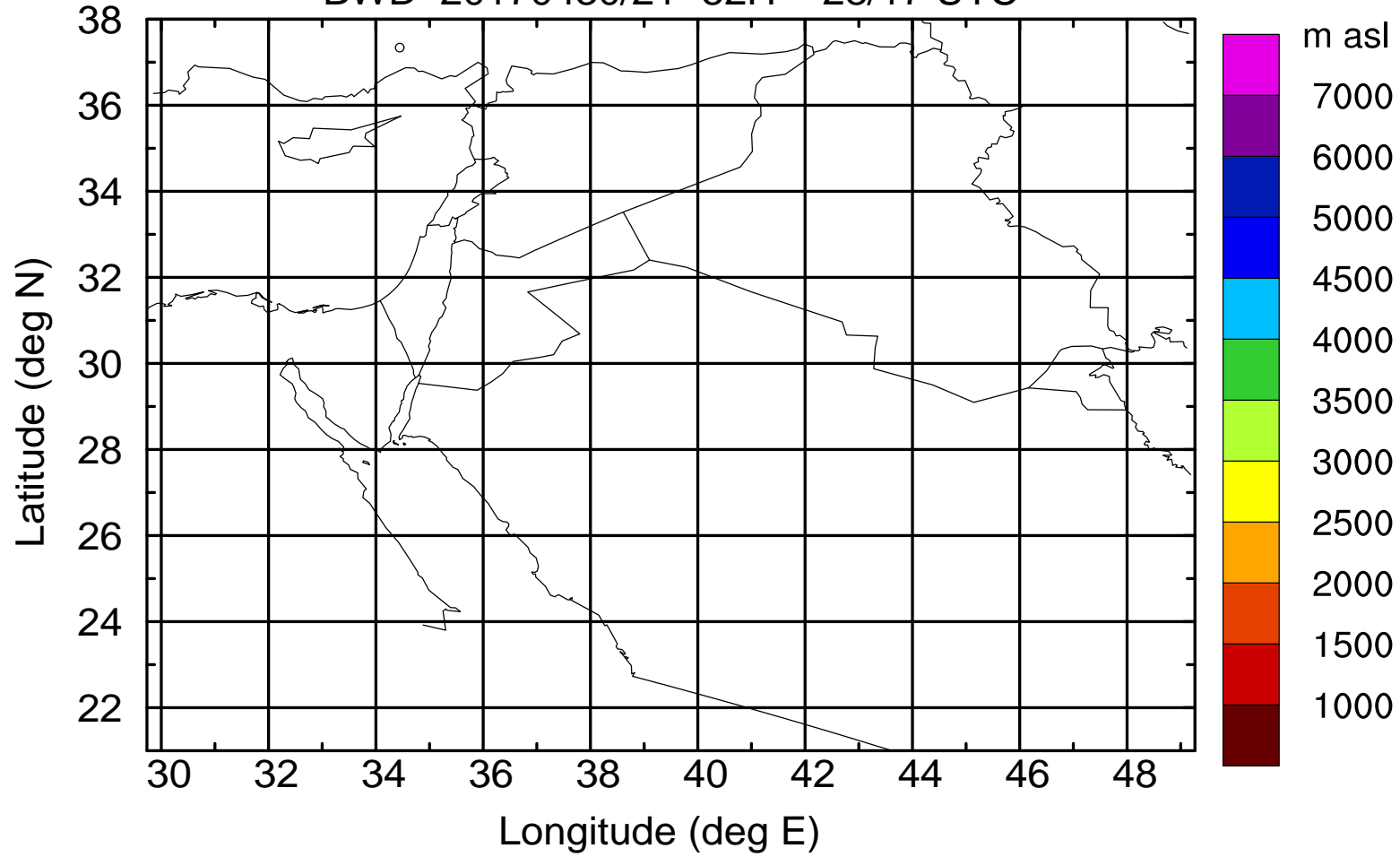
STS ground station 20170430

BWD 20170430/21 -52H = 28/17 UTC



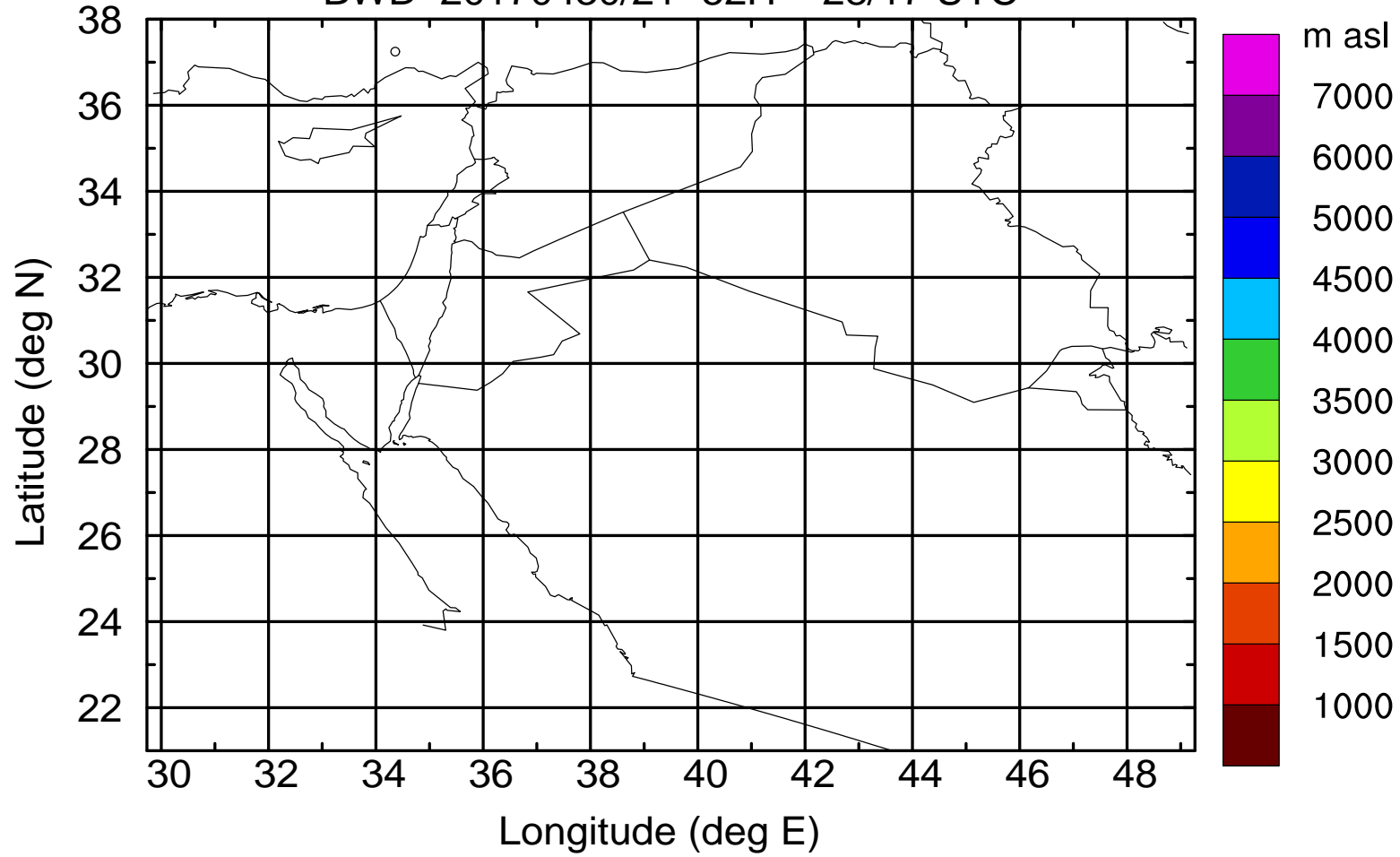
STS ground station 20170430

BWD 20170430/21 -52H = 28/17 UTC



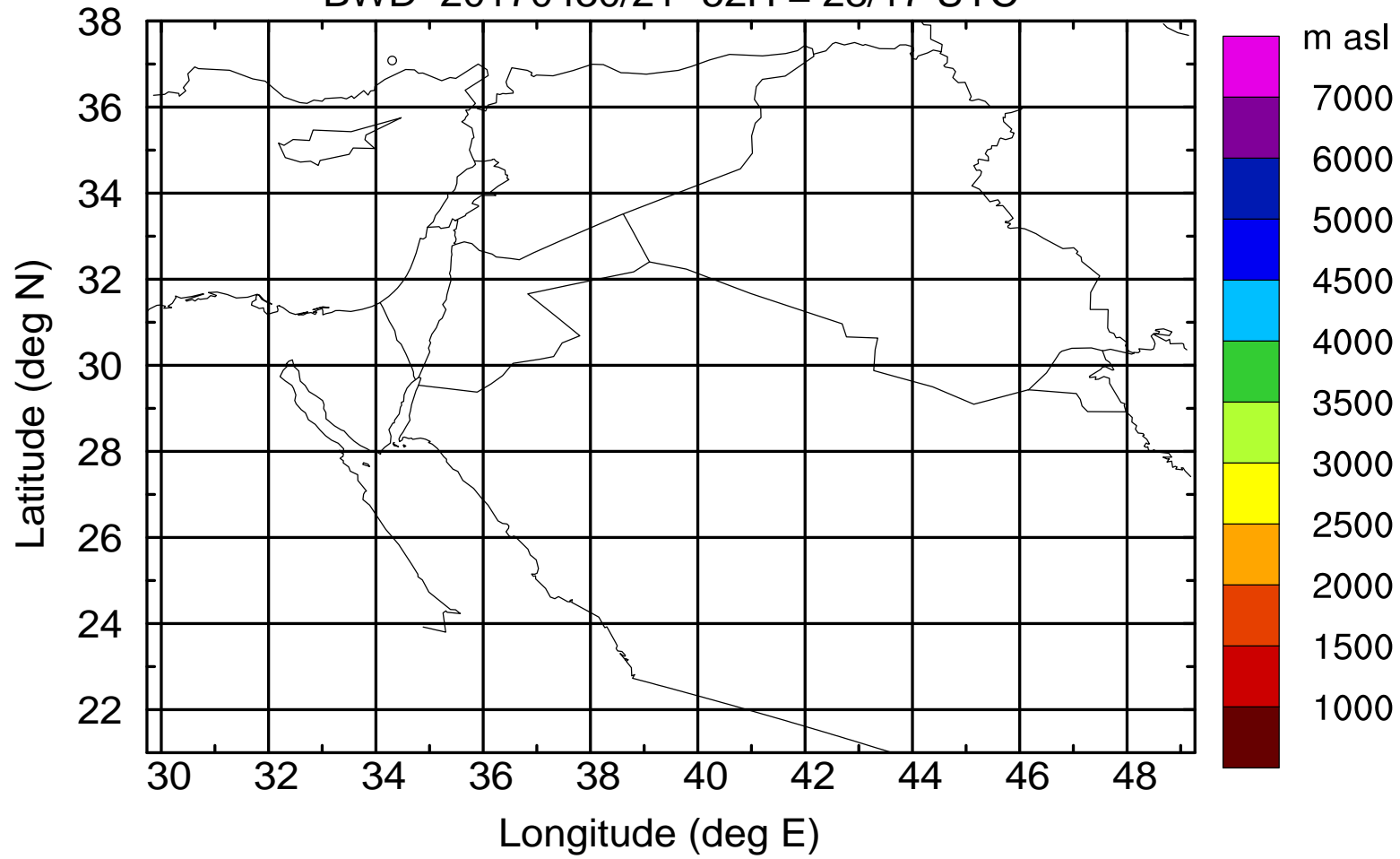
STS ground station 20170430

BWD 20170430/21 -52H = 28/17 UTC



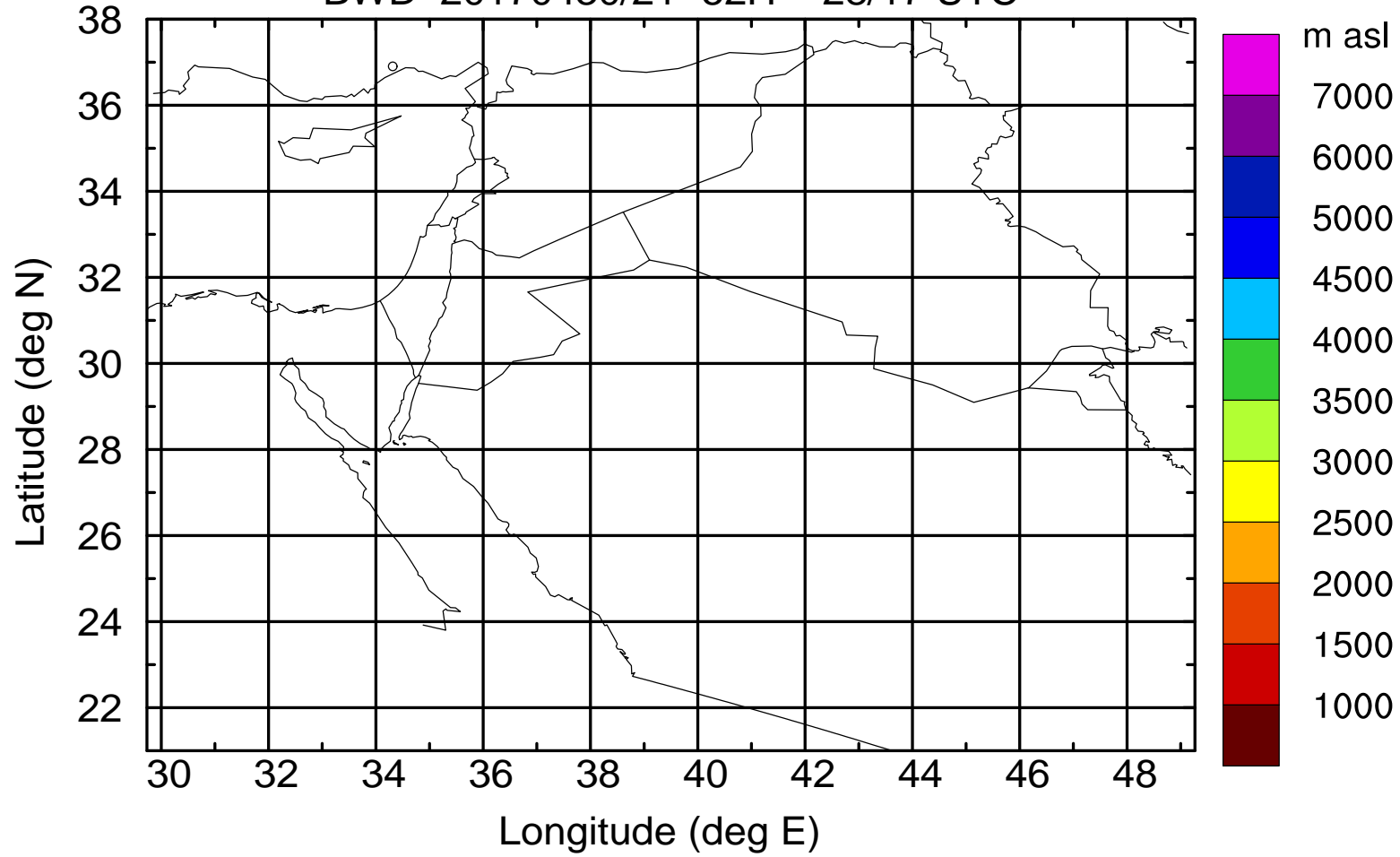
STS ground station 20170430

BWD 20170430/21 -52H = 28/17 UTC



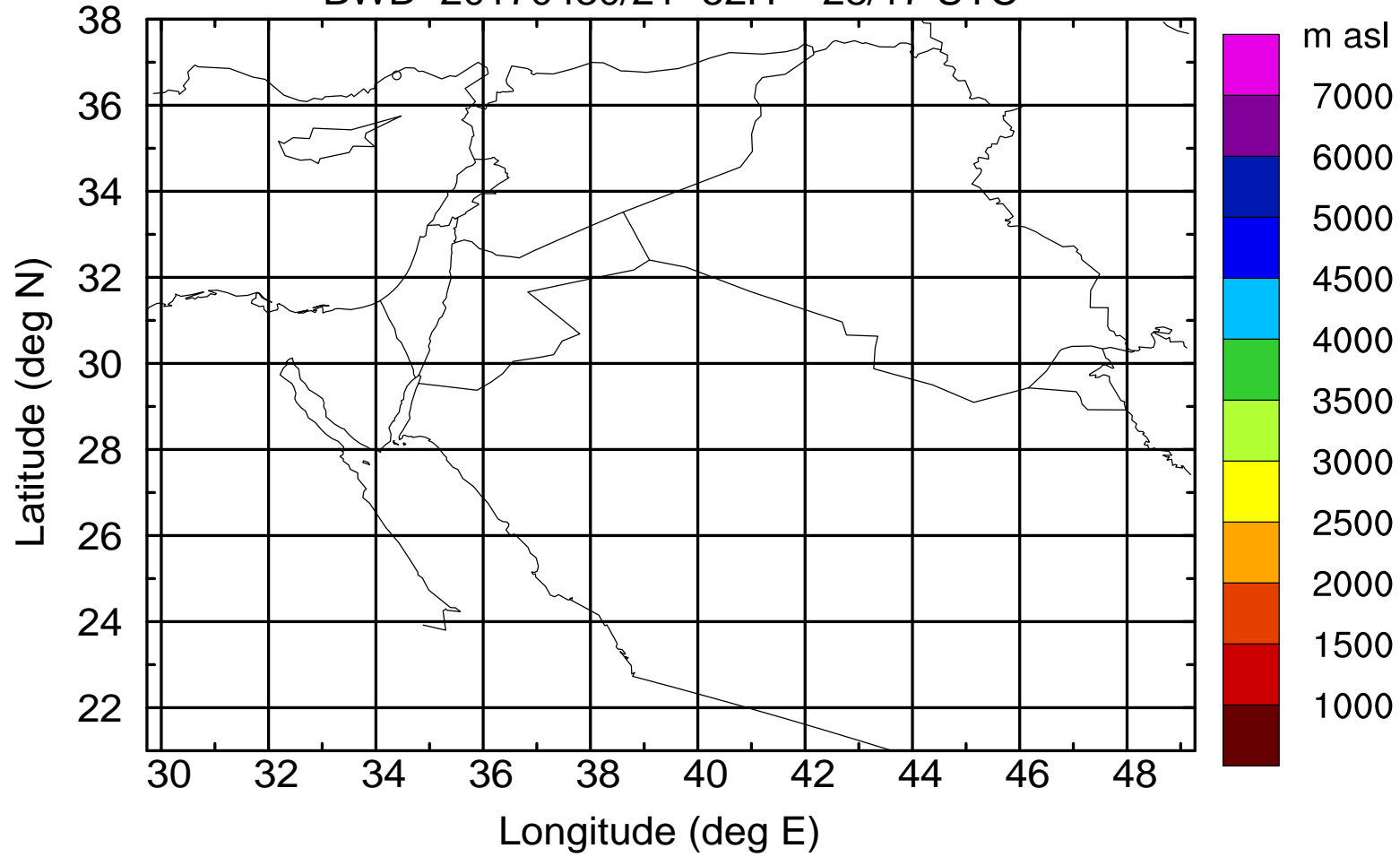
STS ground station 20170430

BWD 20170430/21 -52H = 28/17 UTC



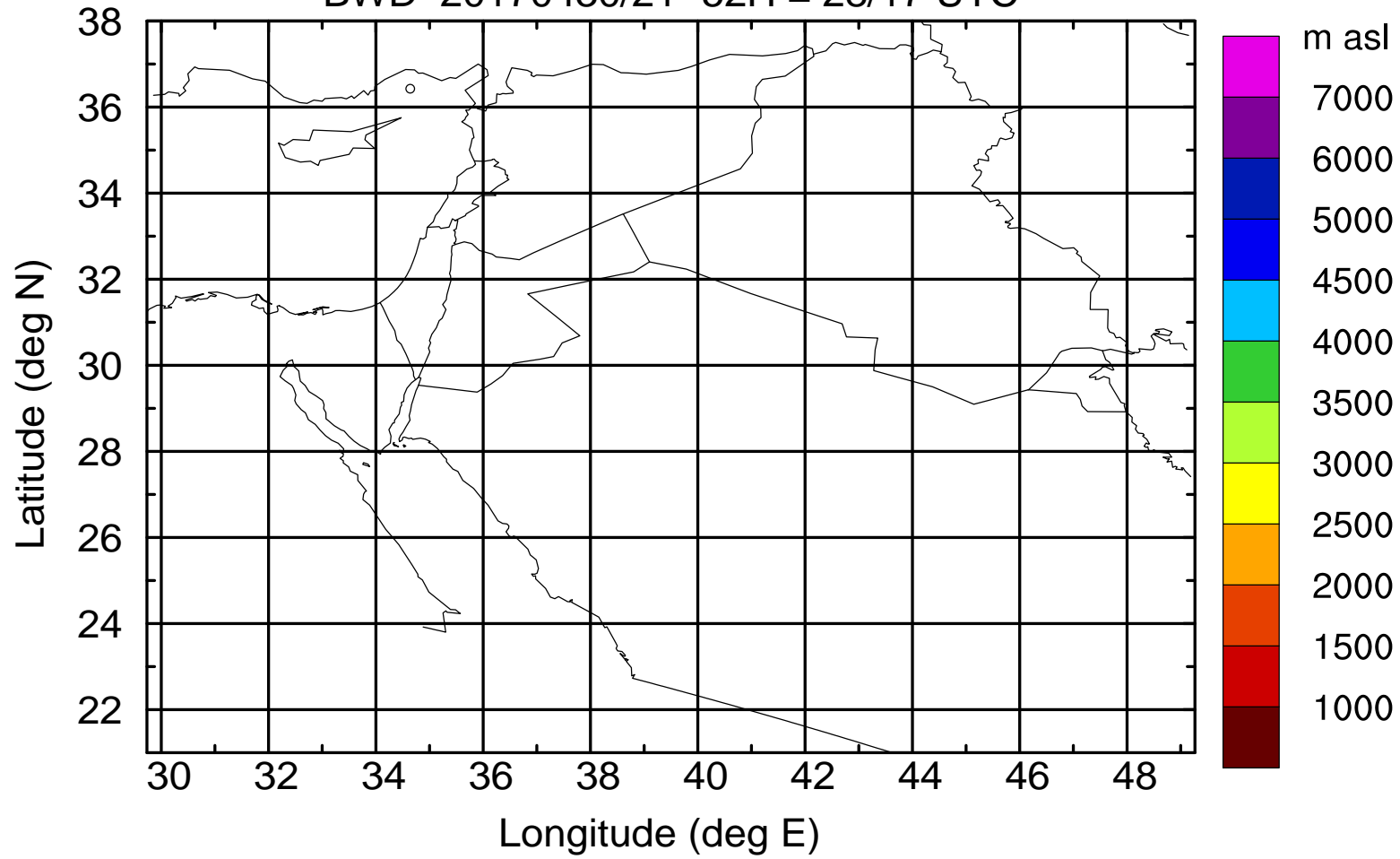
STS ground station 20170430

BWD 20170430/21 -52H = 28/17 UTC



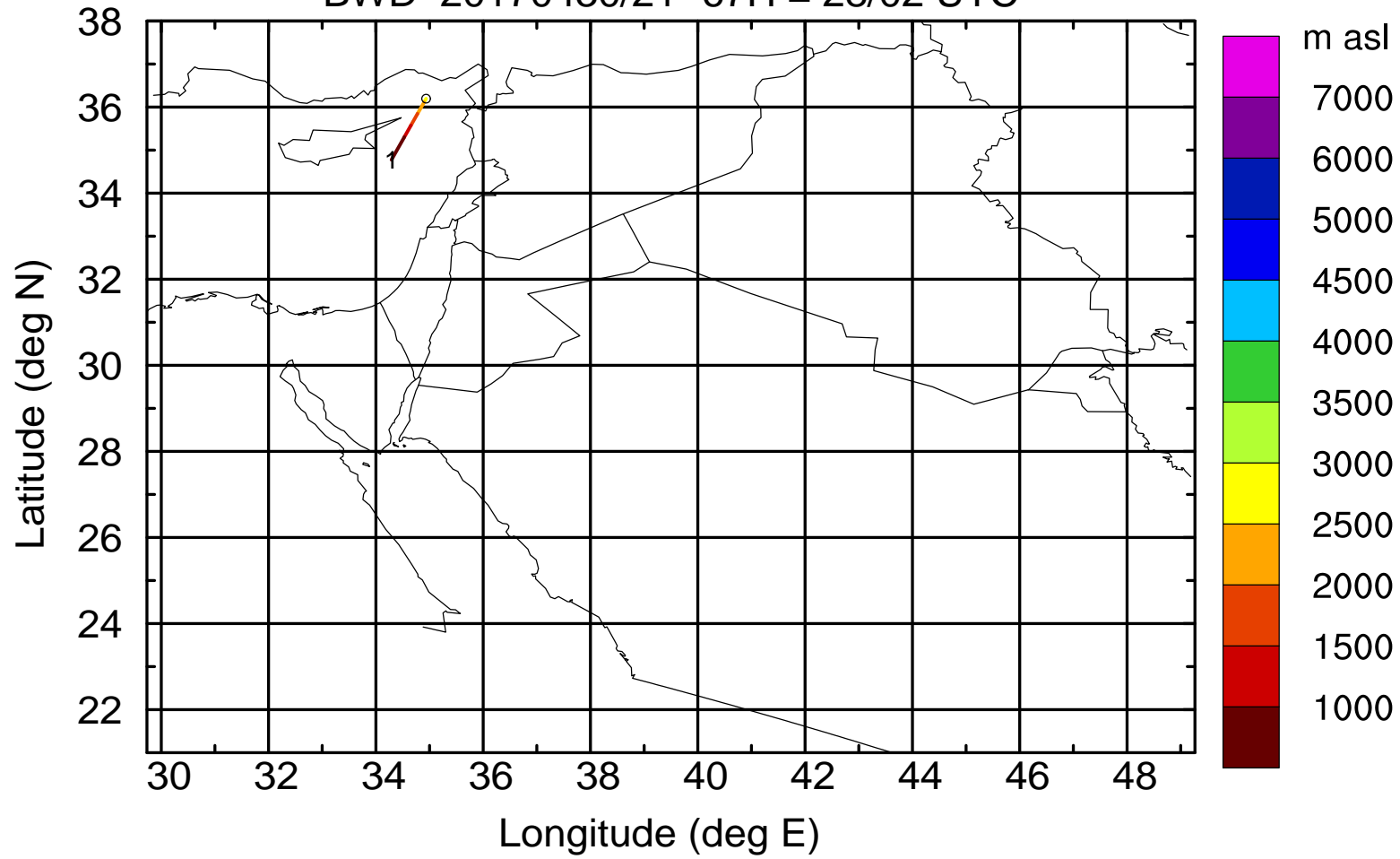
STS ground station 20170430

BWD 20170430/21 -52H = 28/17 UTC



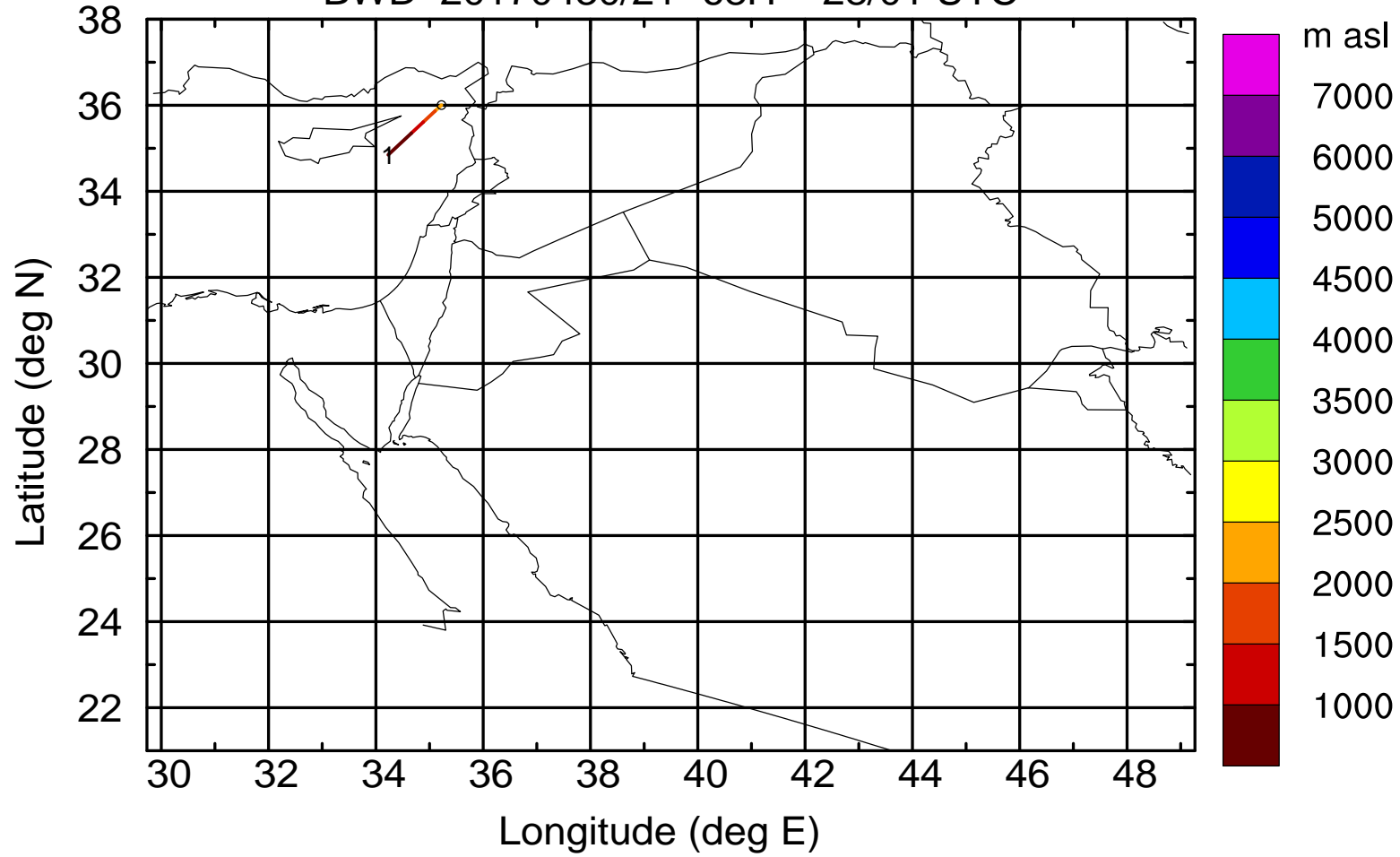
STS ground station 20170430

BWD 20170430/21 -67H = 28/02 UTC



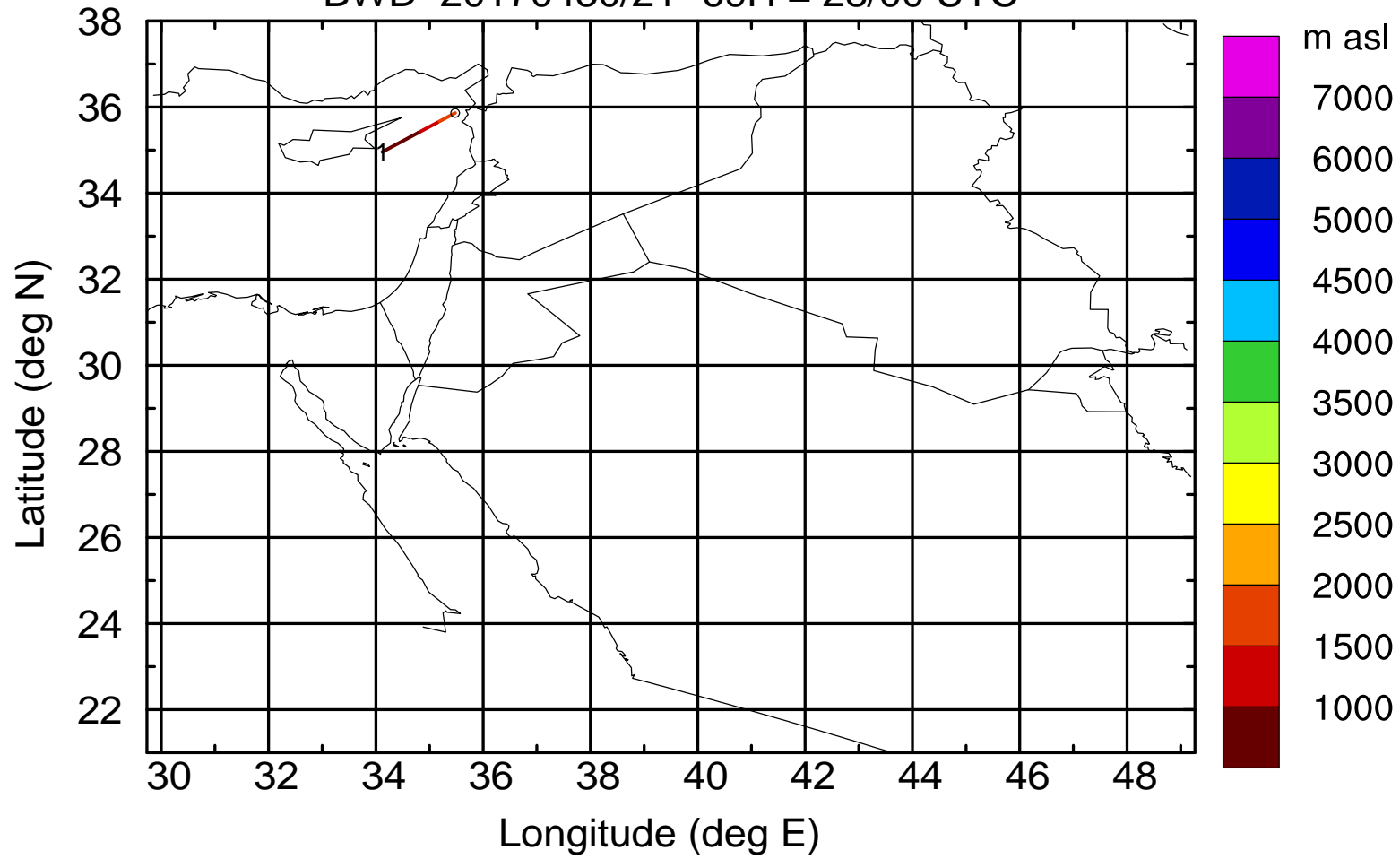
STS ground station 20170430

BWD 20170430/21 -68H = 28/01 UTC



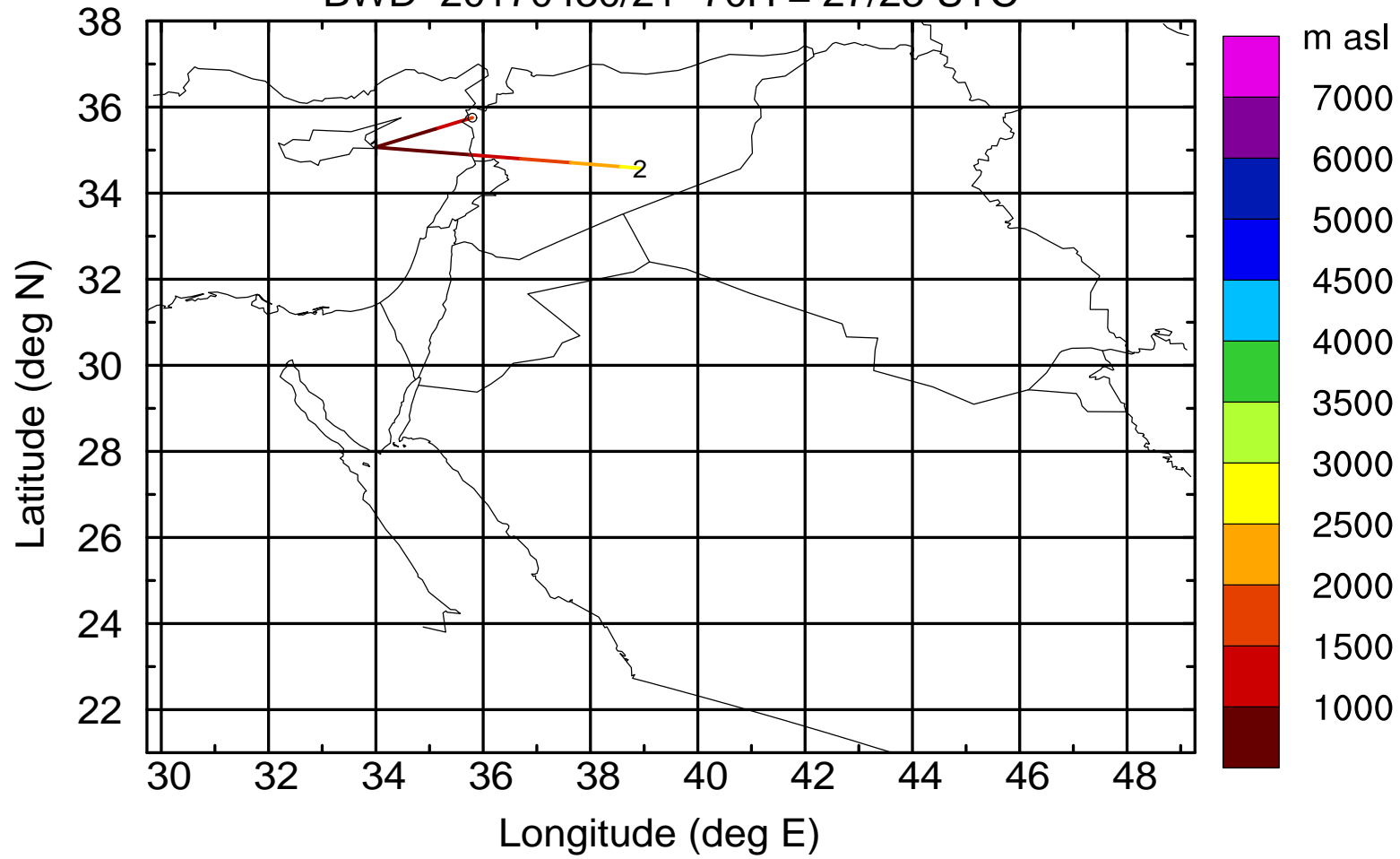
STS ground station 20170430

BWD 20170430/21 -69H = 28/00 UTC



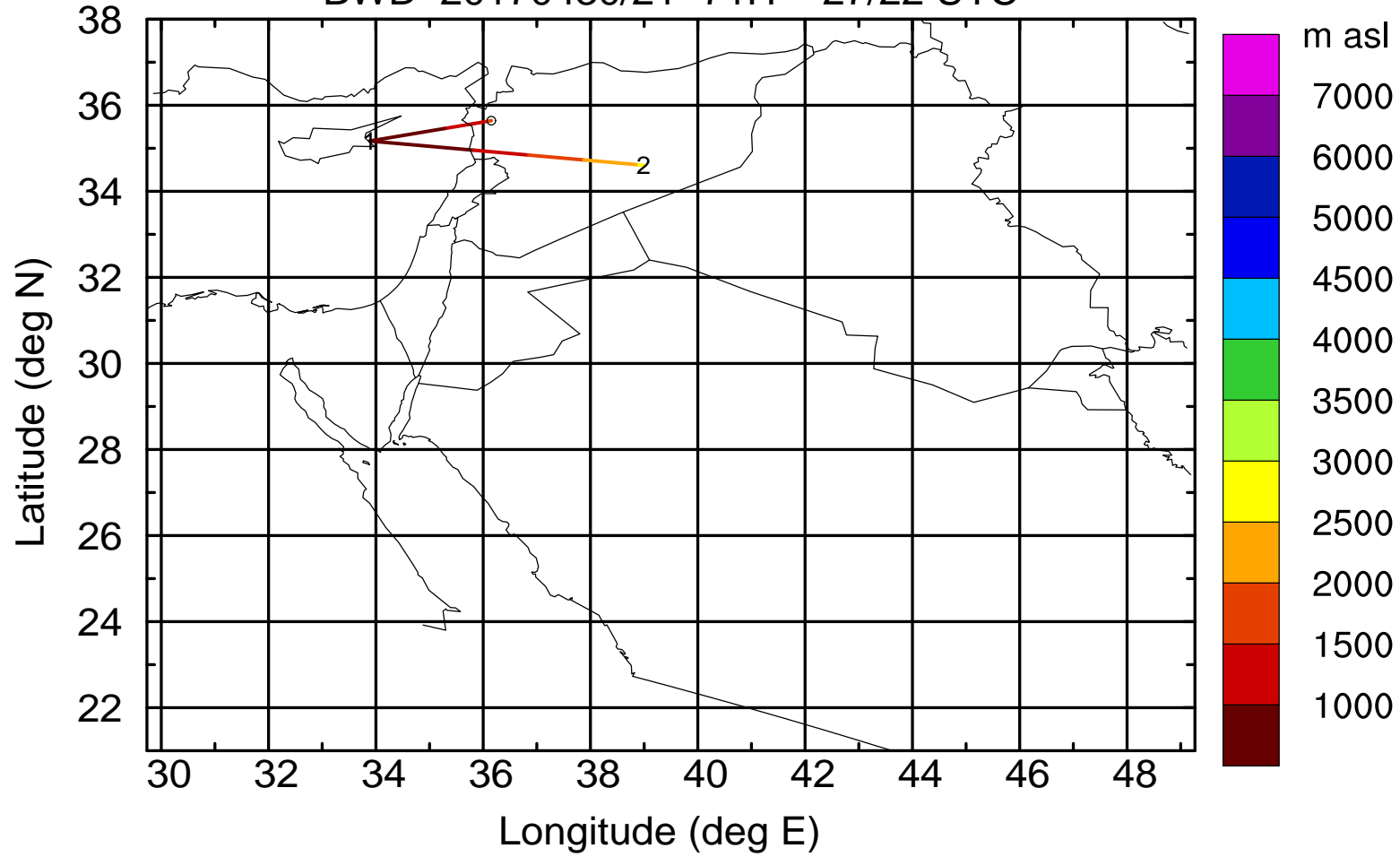
STS ground station 20170430

BWD 20170430/21 -70H = 27/23 UTC



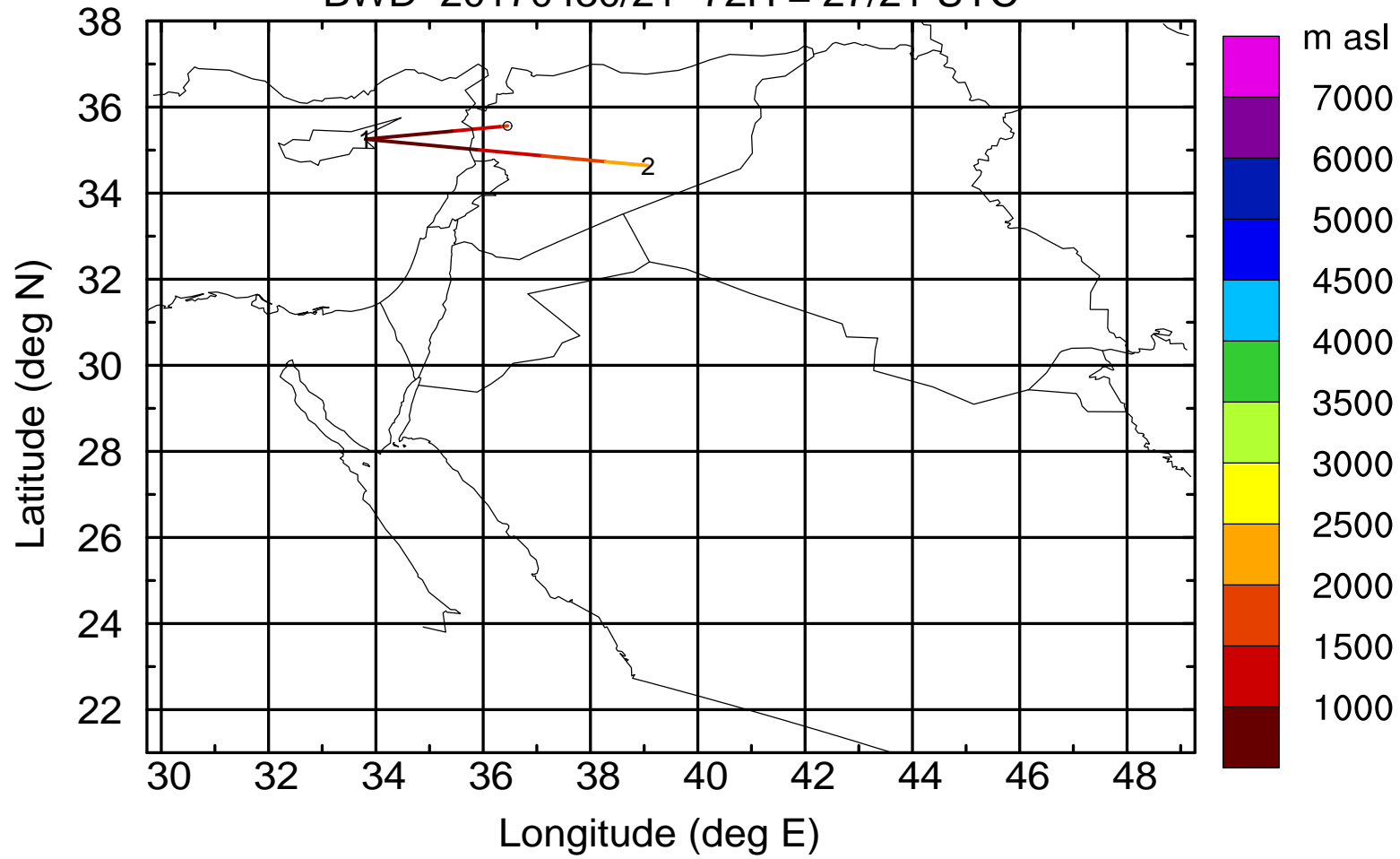
STS ground station 20170430

BWD 20170430/21 -71H = 27/22 UTC



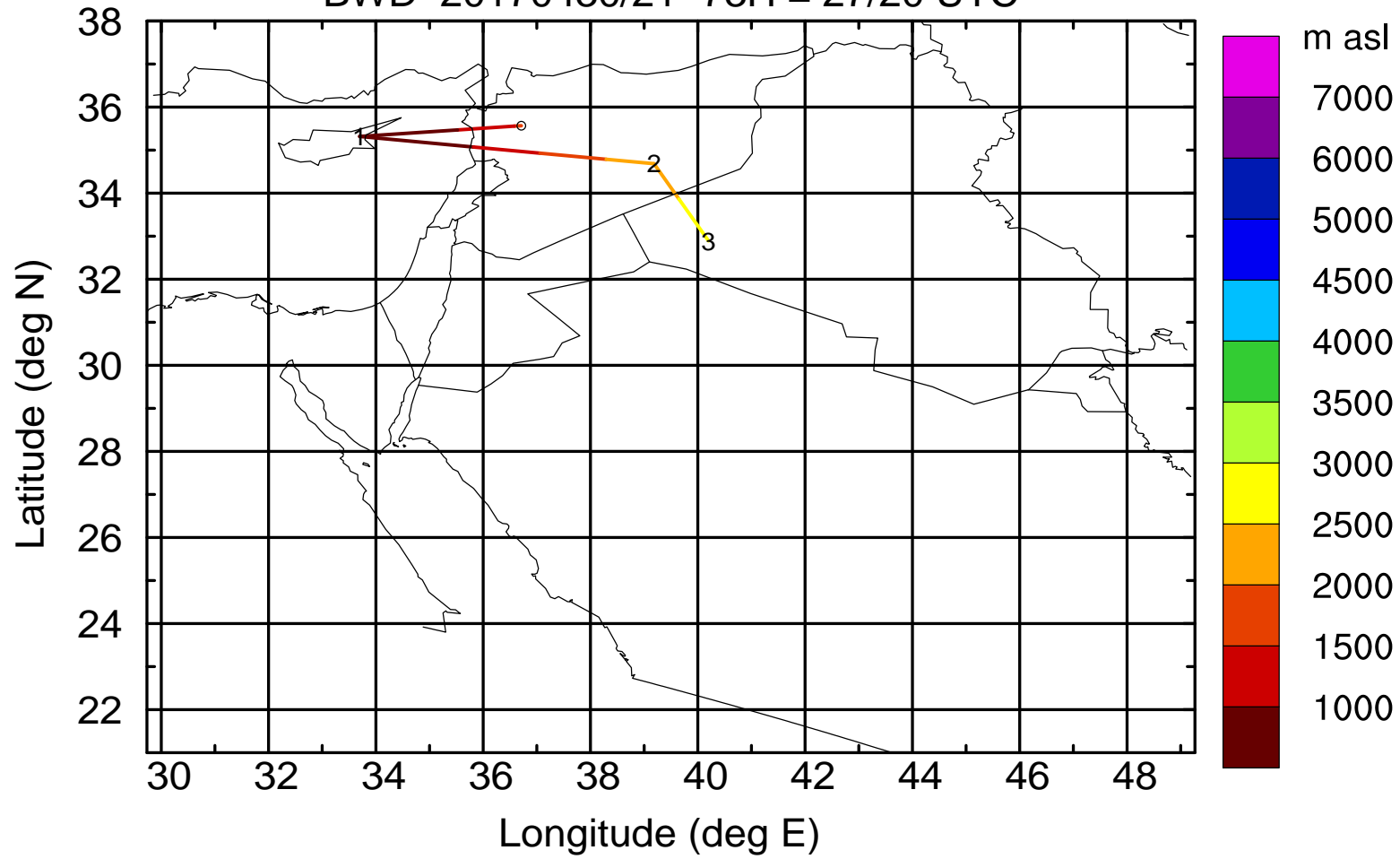
STS ground station 20170430

BWD 20170430/21 -72H = 27/21 UTC



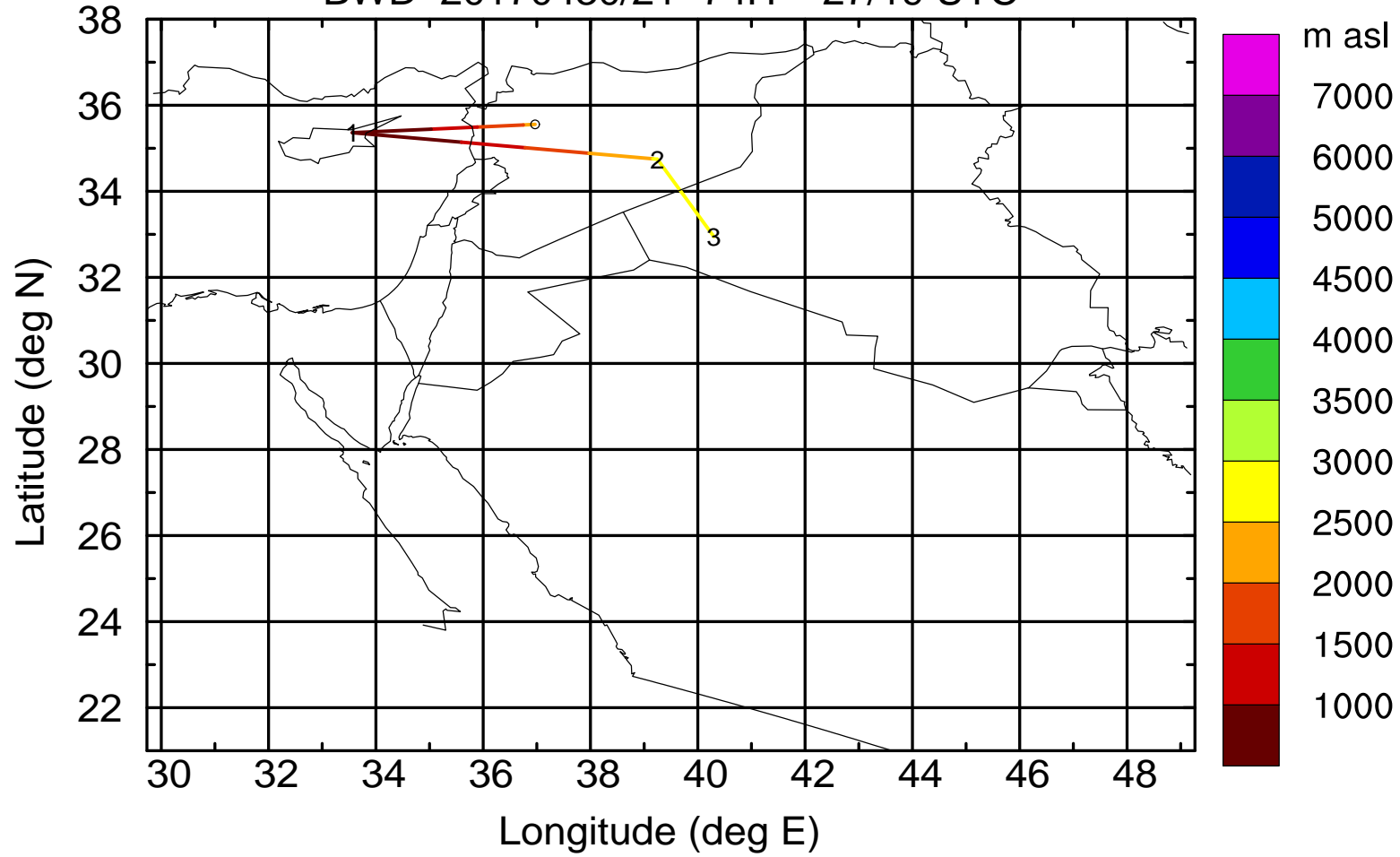
STS ground station 20170430

BWD 20170430/21 -73H = 27/20 UTC



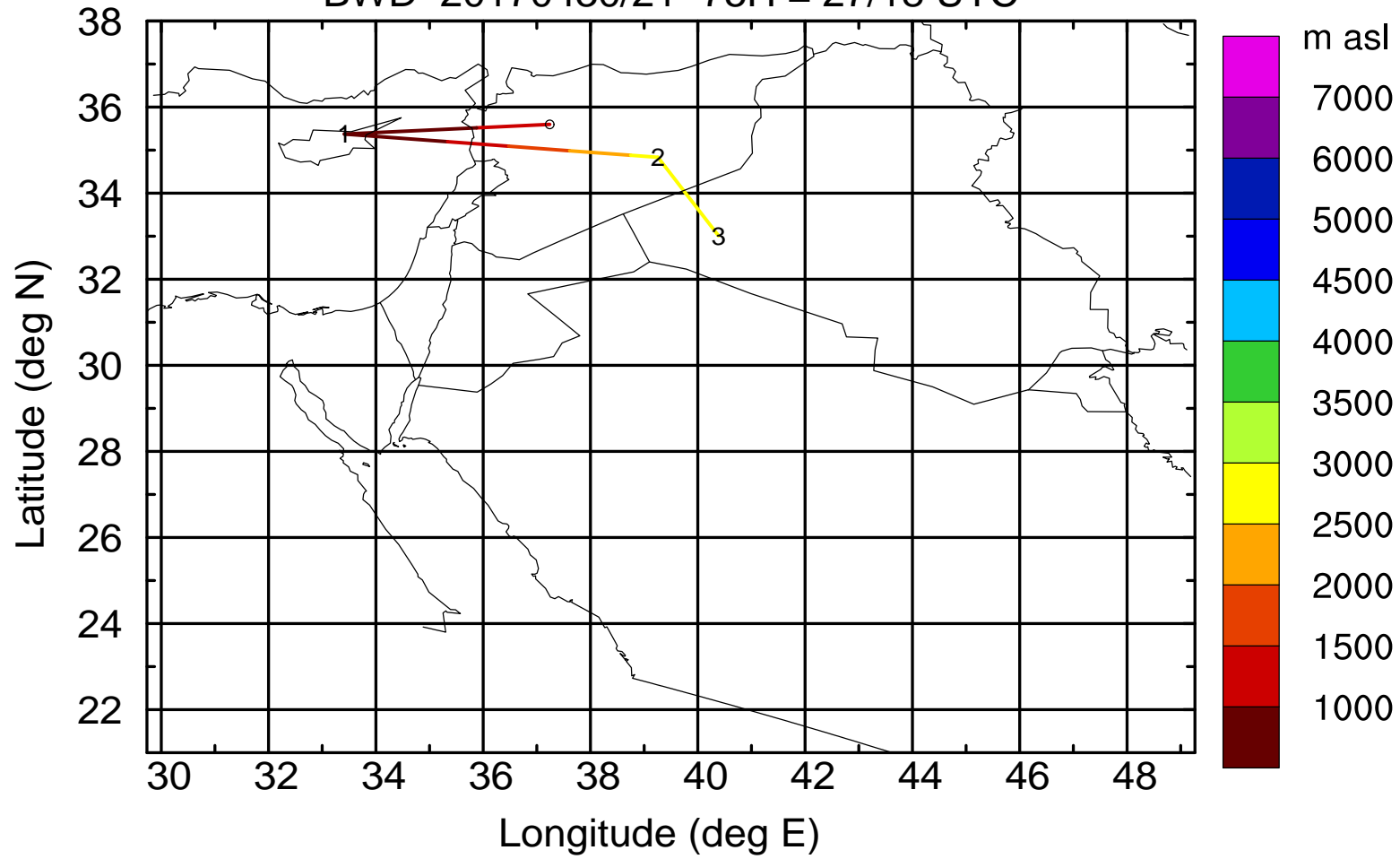
STS ground station 20170430

BWD 20170430/21 -74H = 27/19 UTC



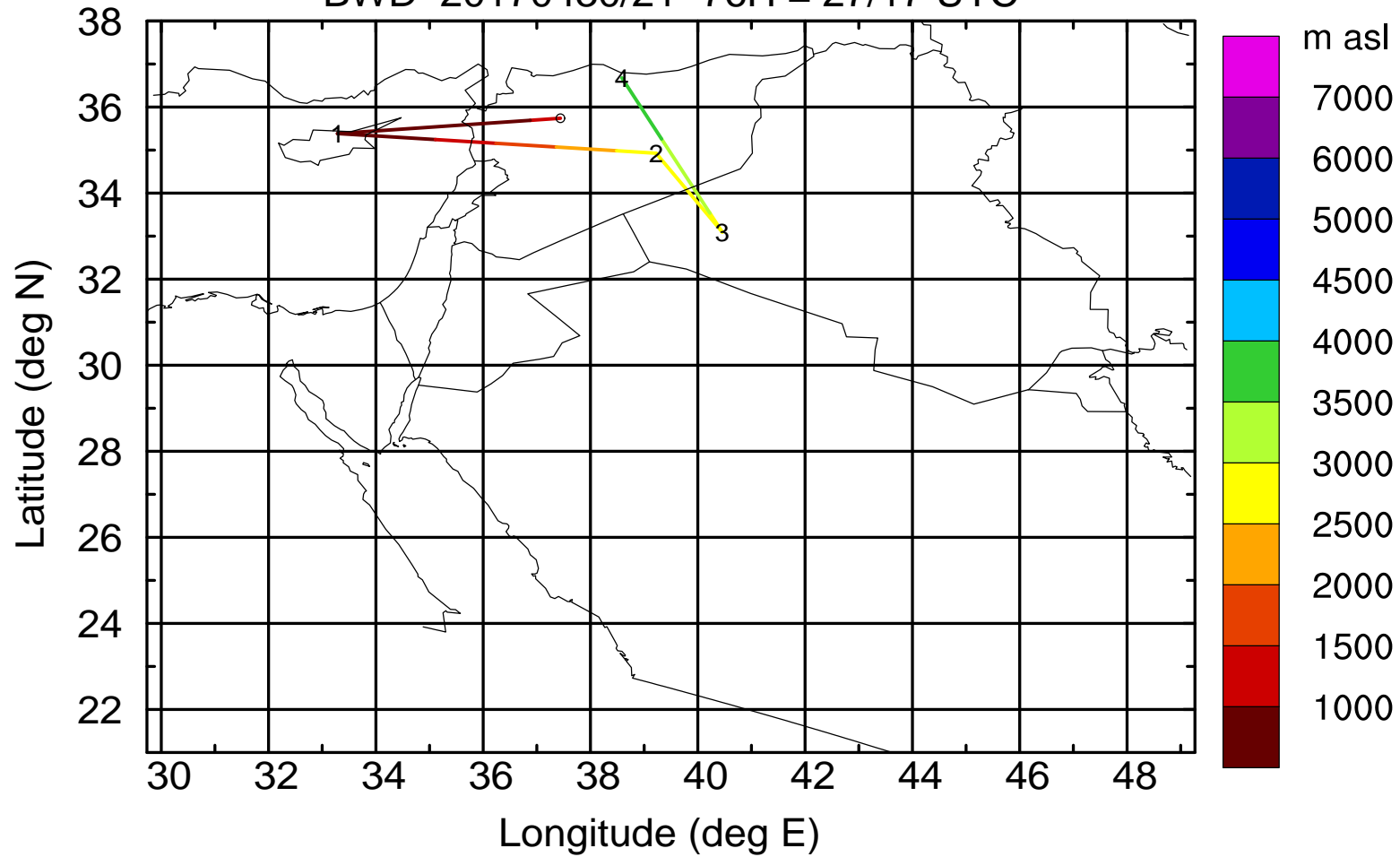
STS ground station 20170430

BWD 20170430/21 -75H = 27/18 UTC



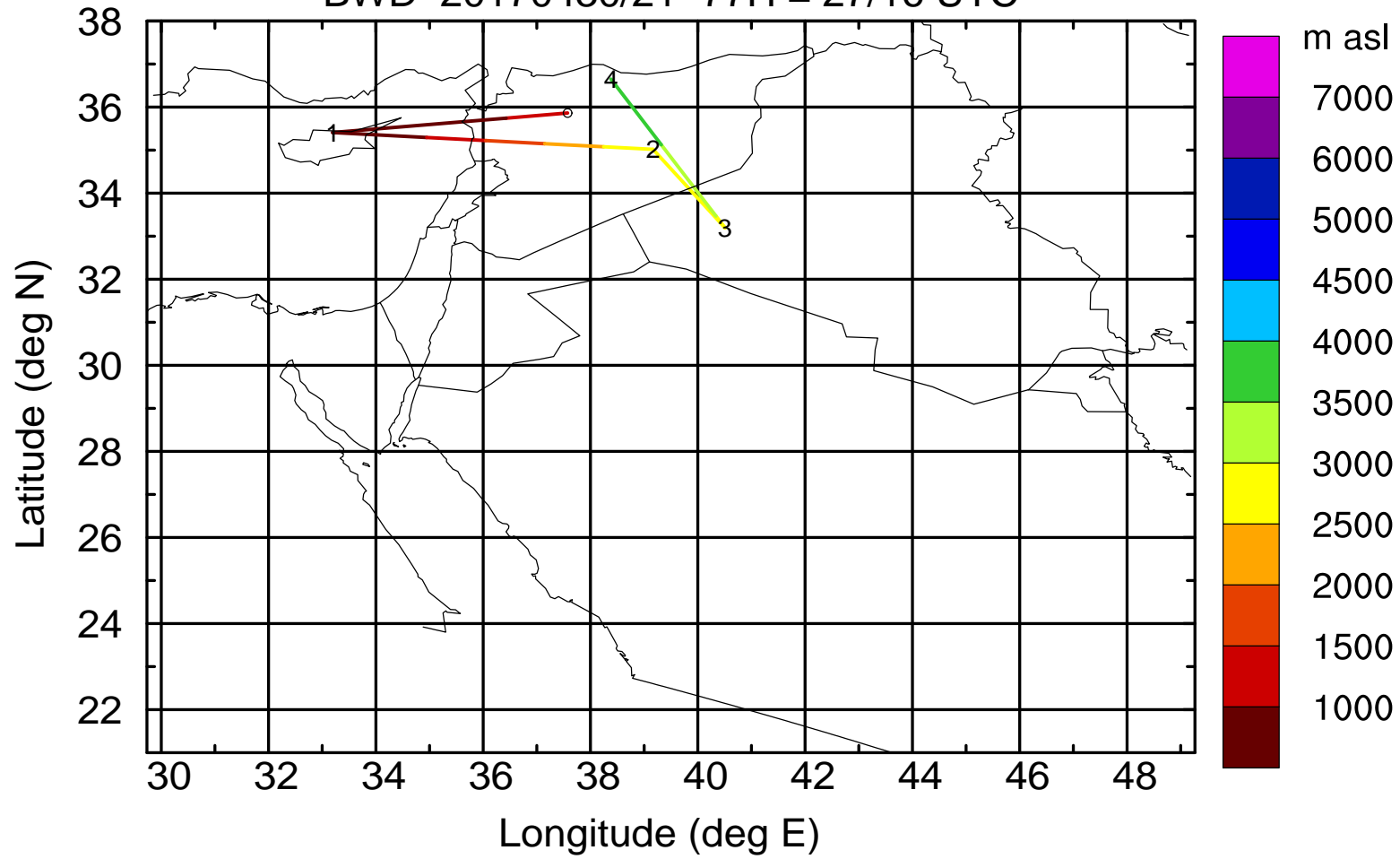
STS ground station 20170430

BWD 20170430/21 -76H = 27/17 UTC



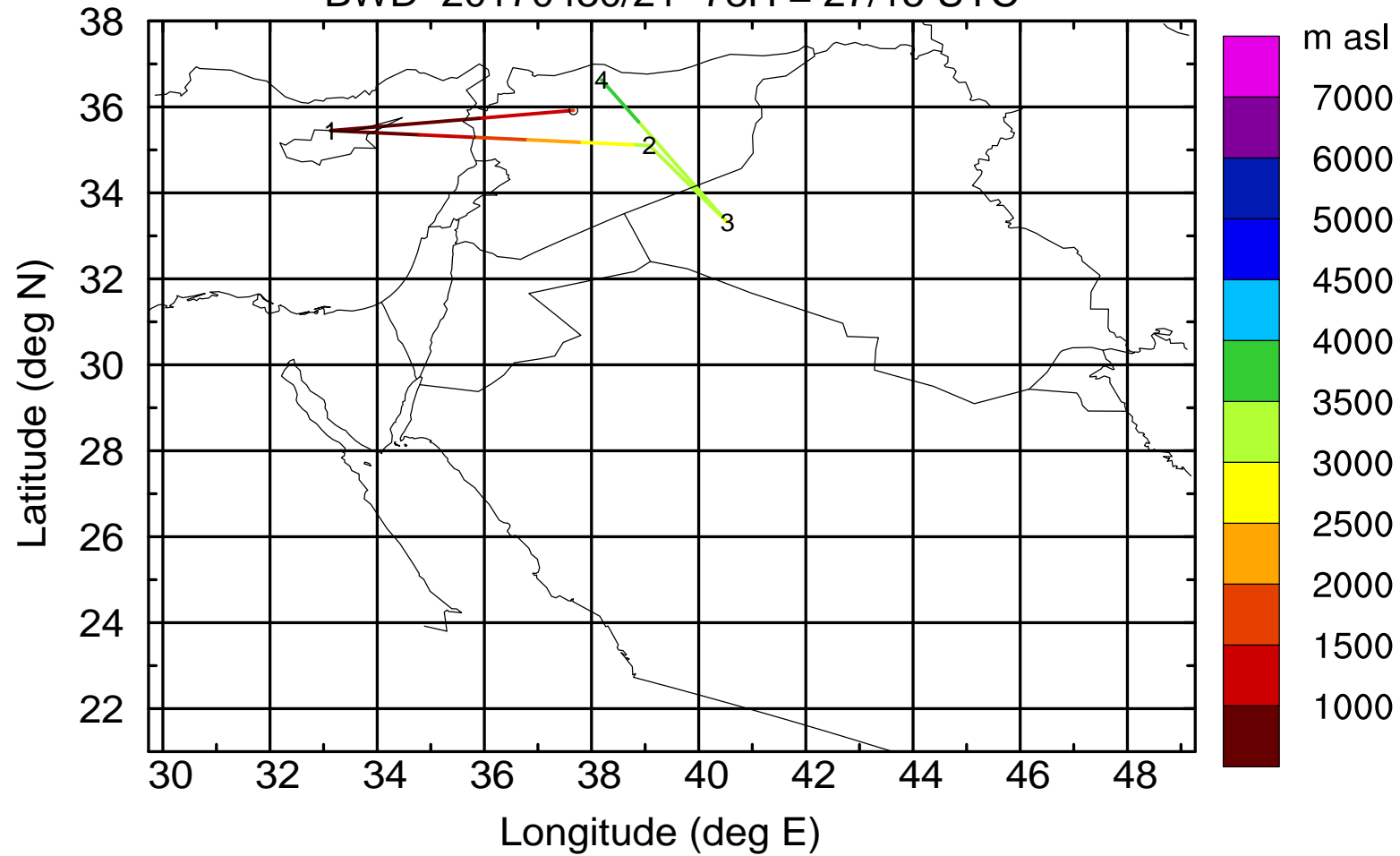
STS ground station 20170430

BWD 20170430/21 -77H = 27/16 UTC



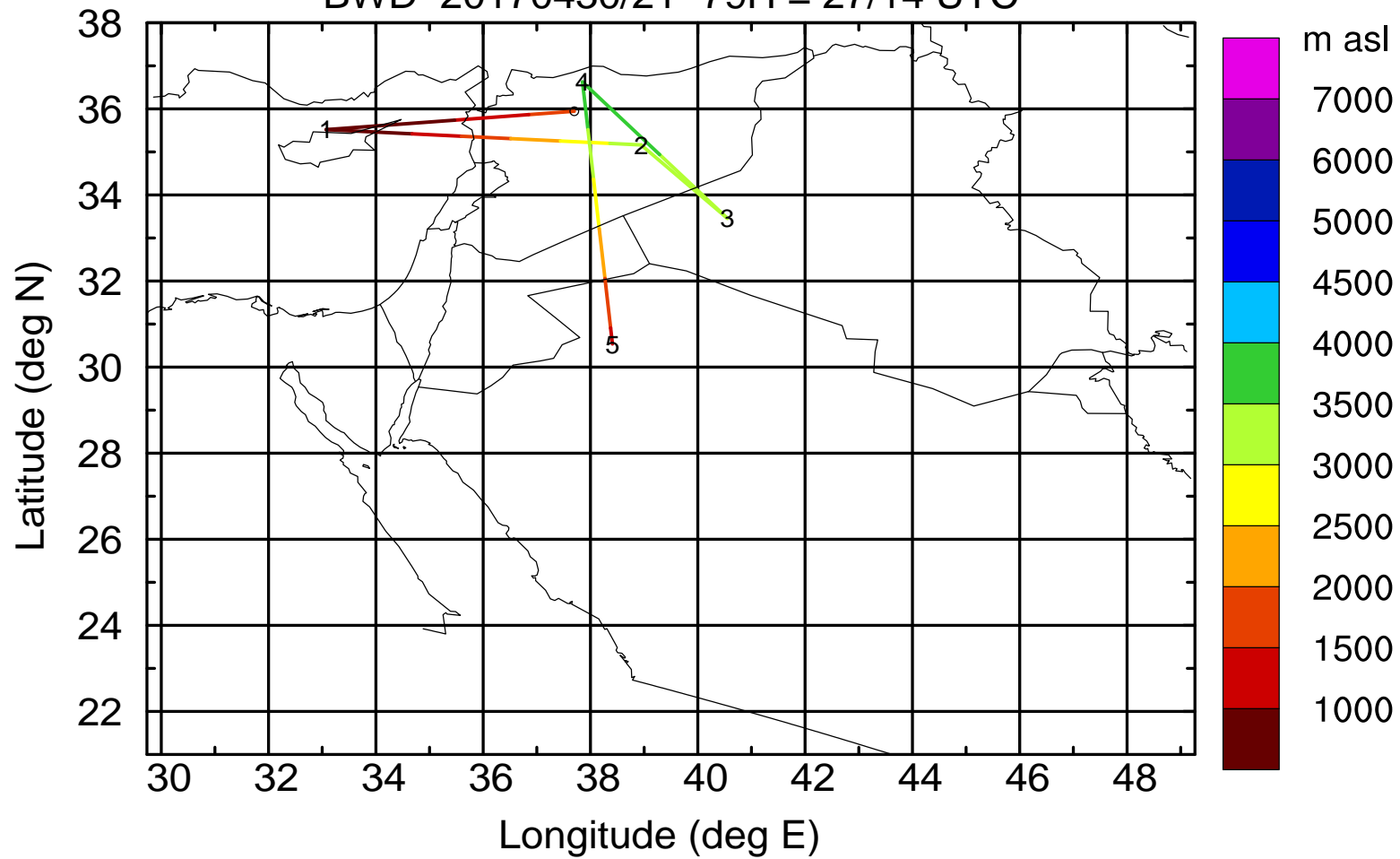
STS ground station 20170430

BWD 20170430/21 -78H = 27/15 UTC



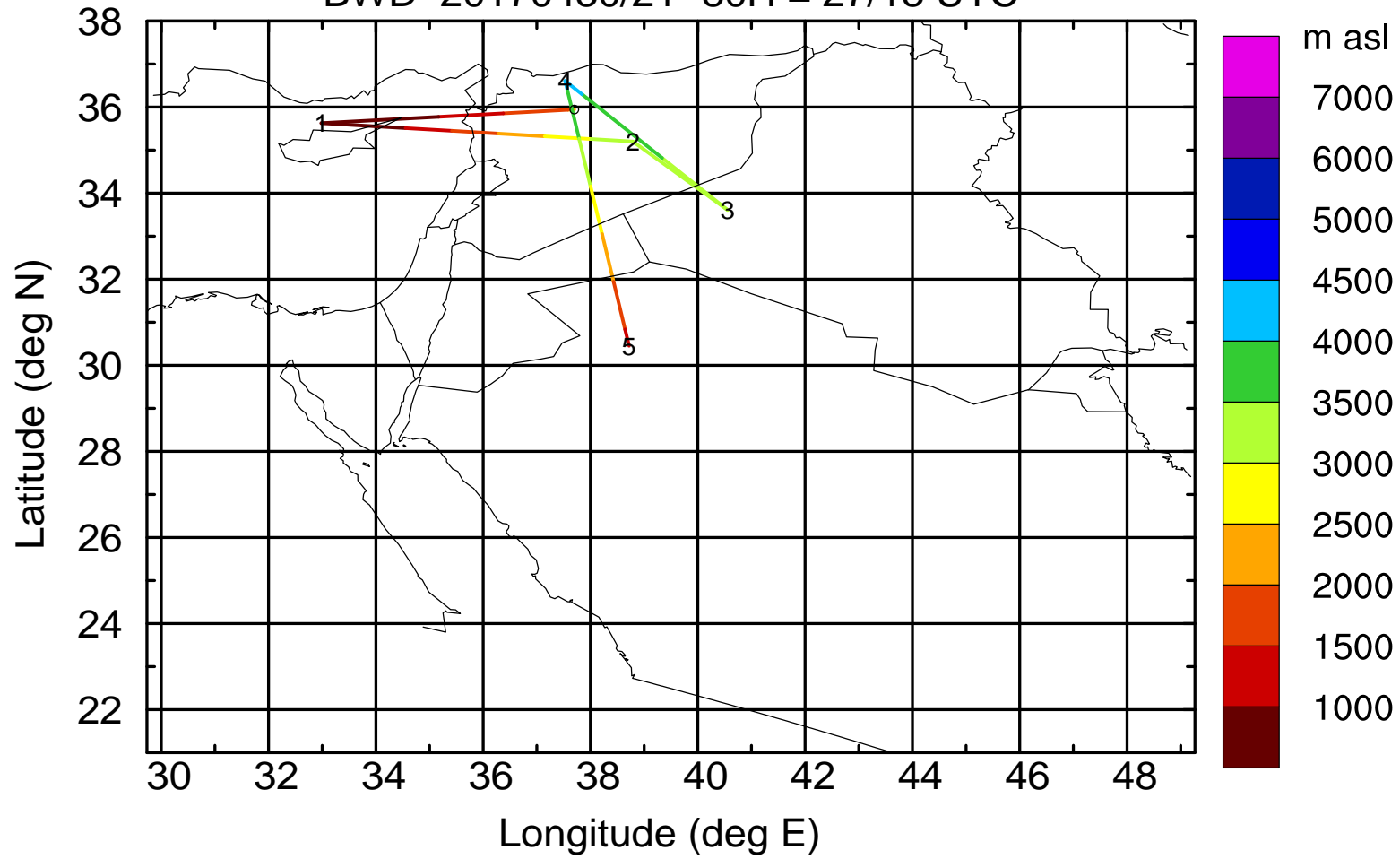
STS ground station 20170430

BWD 20170430/21 -79H = 27/14 UTC



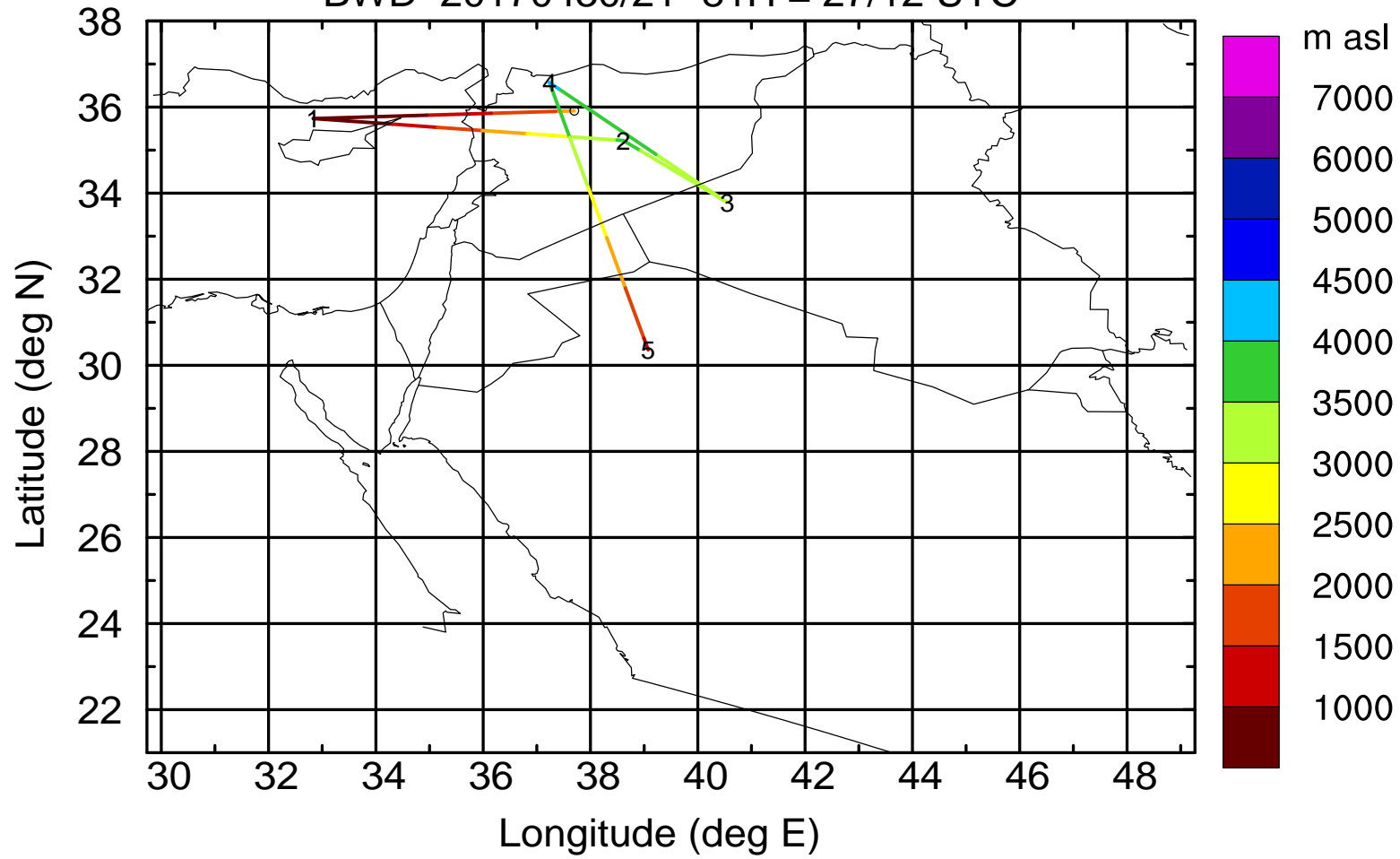
STS ground station 20170430

BWD 20170430/21 -80H = 27/13 UTC



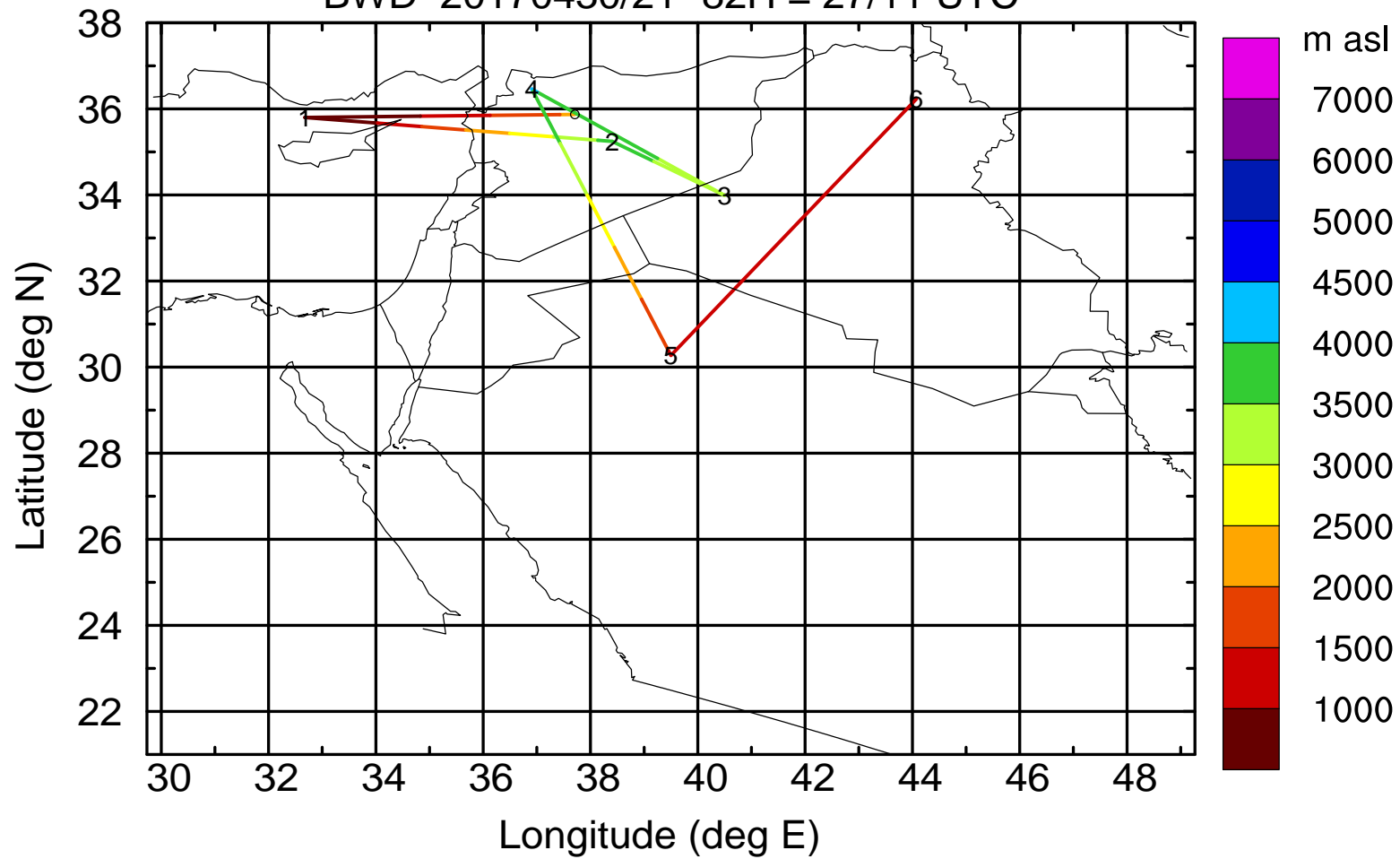
STS ground station 20170430

BWD 20170430/21 -81H = 27/12 UTC



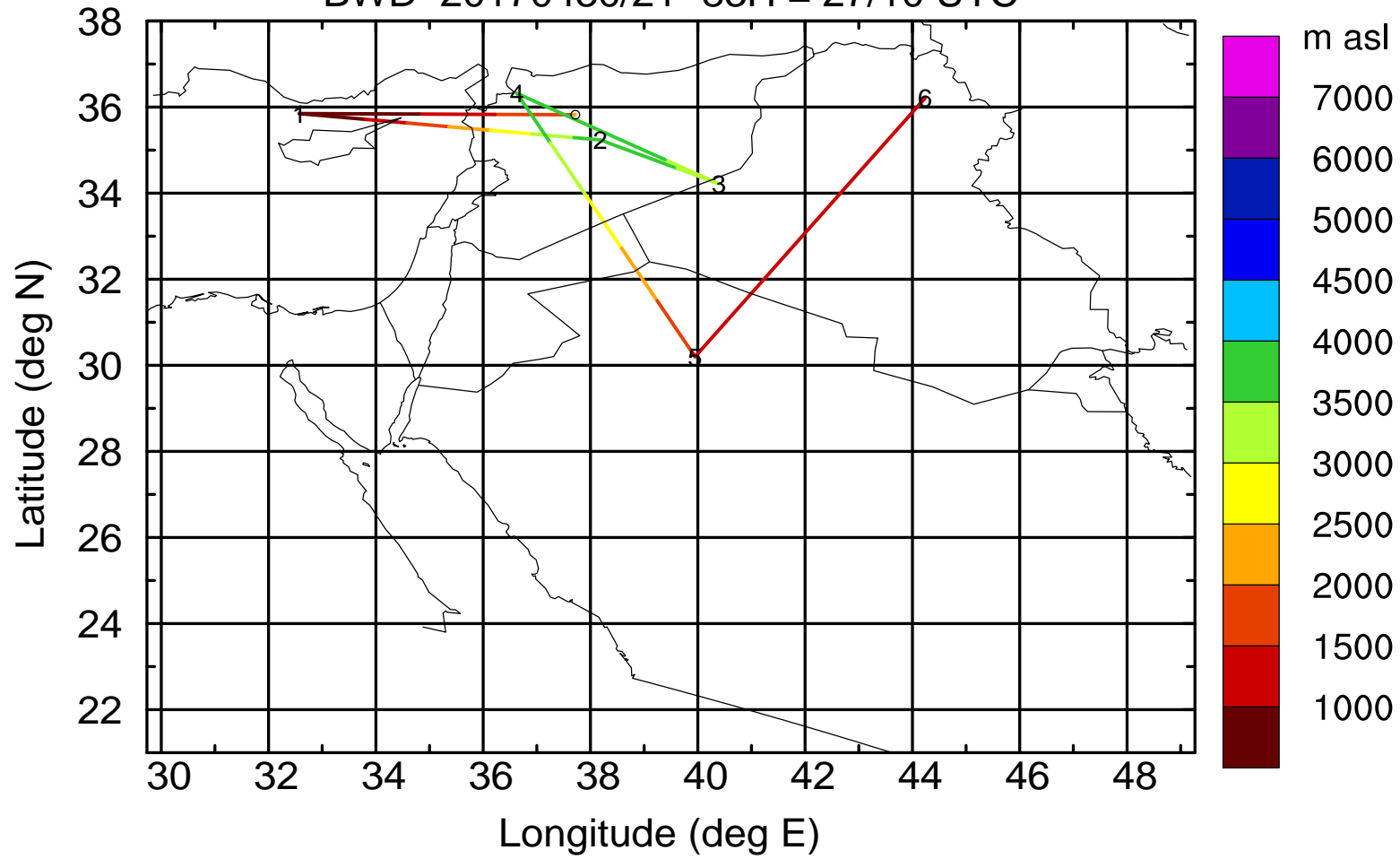
STS ground station 20170430

BWD 20170430/21 -82H = 27/11 UTC



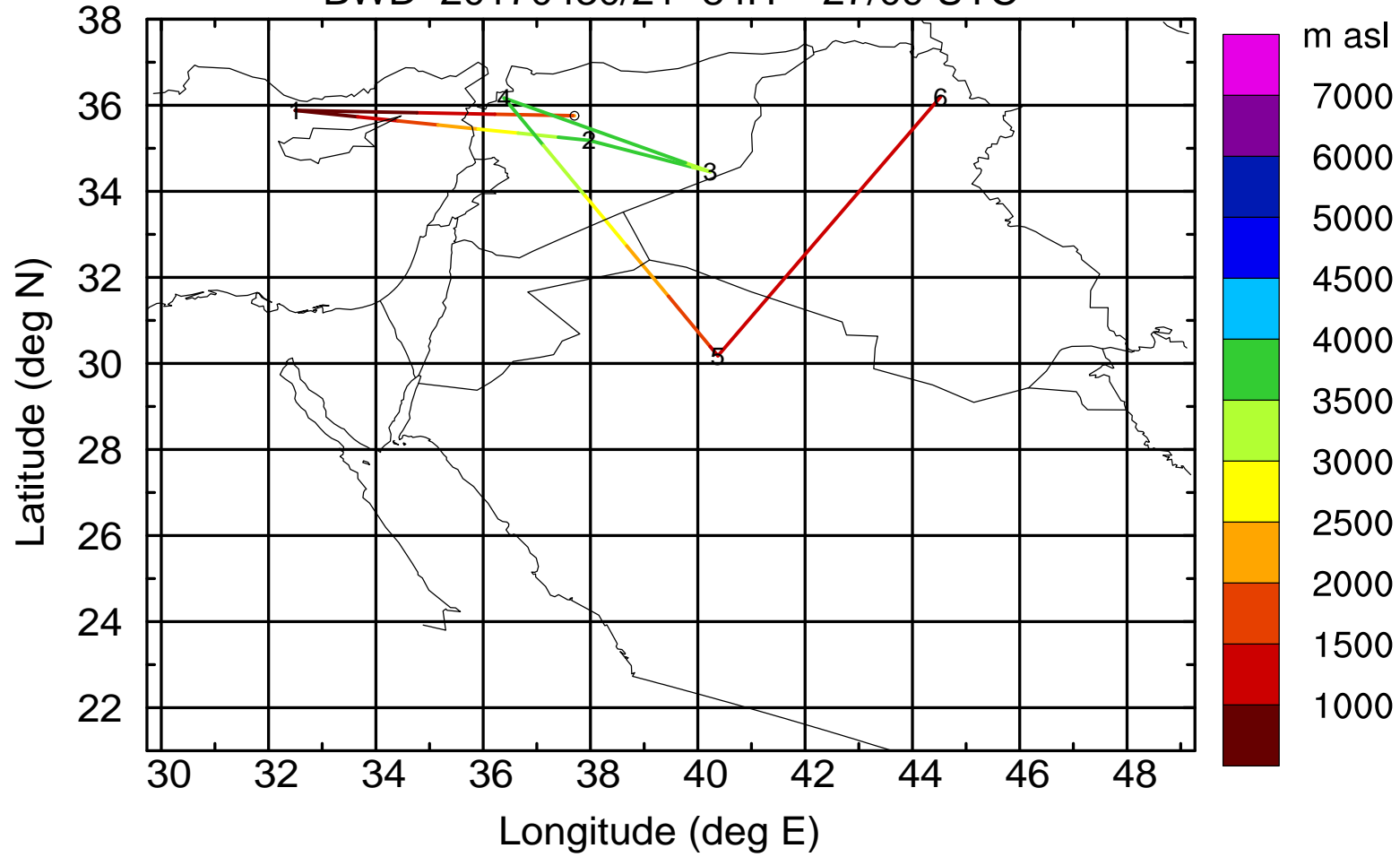
STS ground station 20170430

BWD 20170430/21 -83H = 27/10 UTC



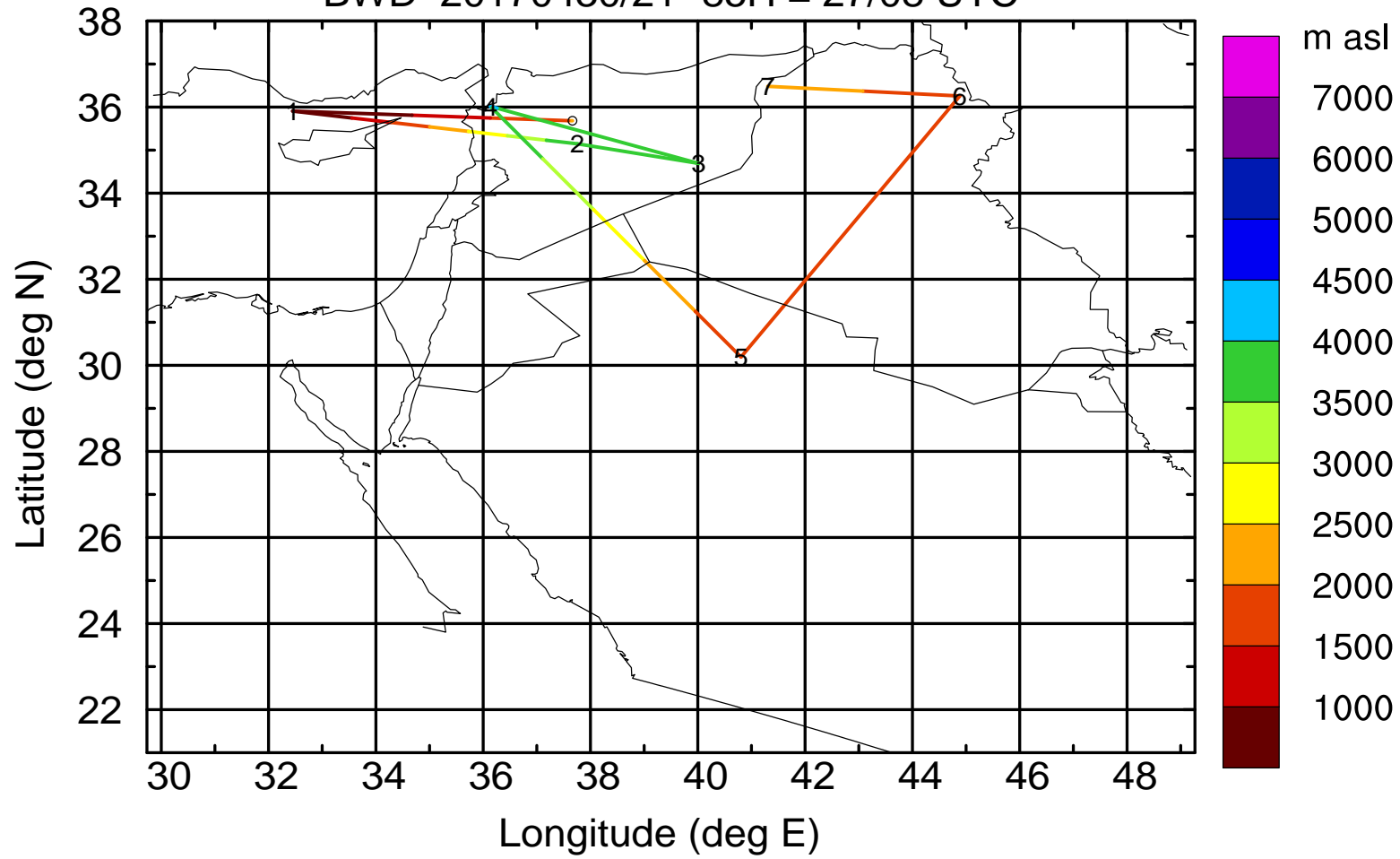
STS ground station 20170430

BWD 20170430/21 -84H = 27/09 UTC



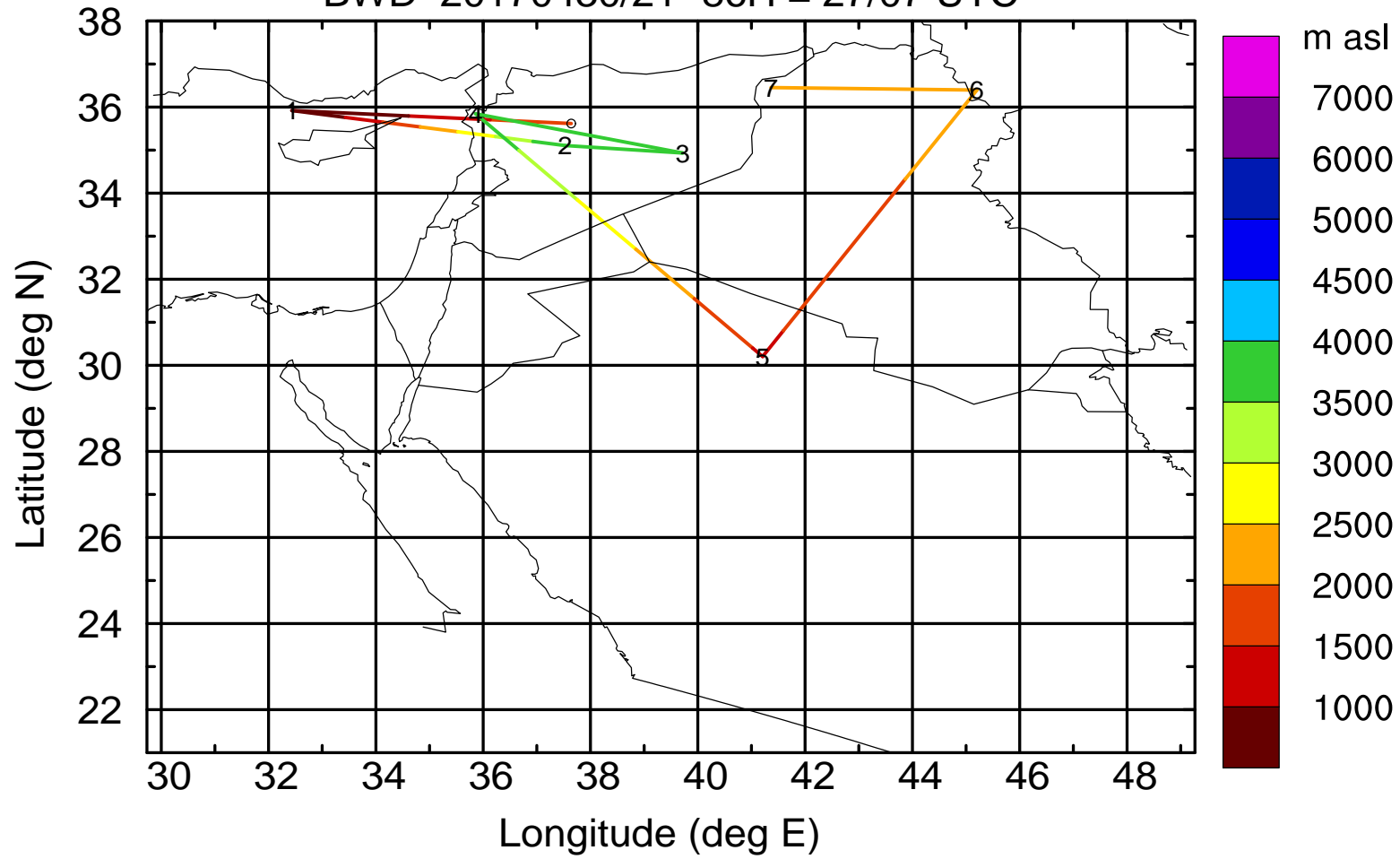
STS ground station 20170430

BWD 20170430/21 -85H = 27/08 UTC



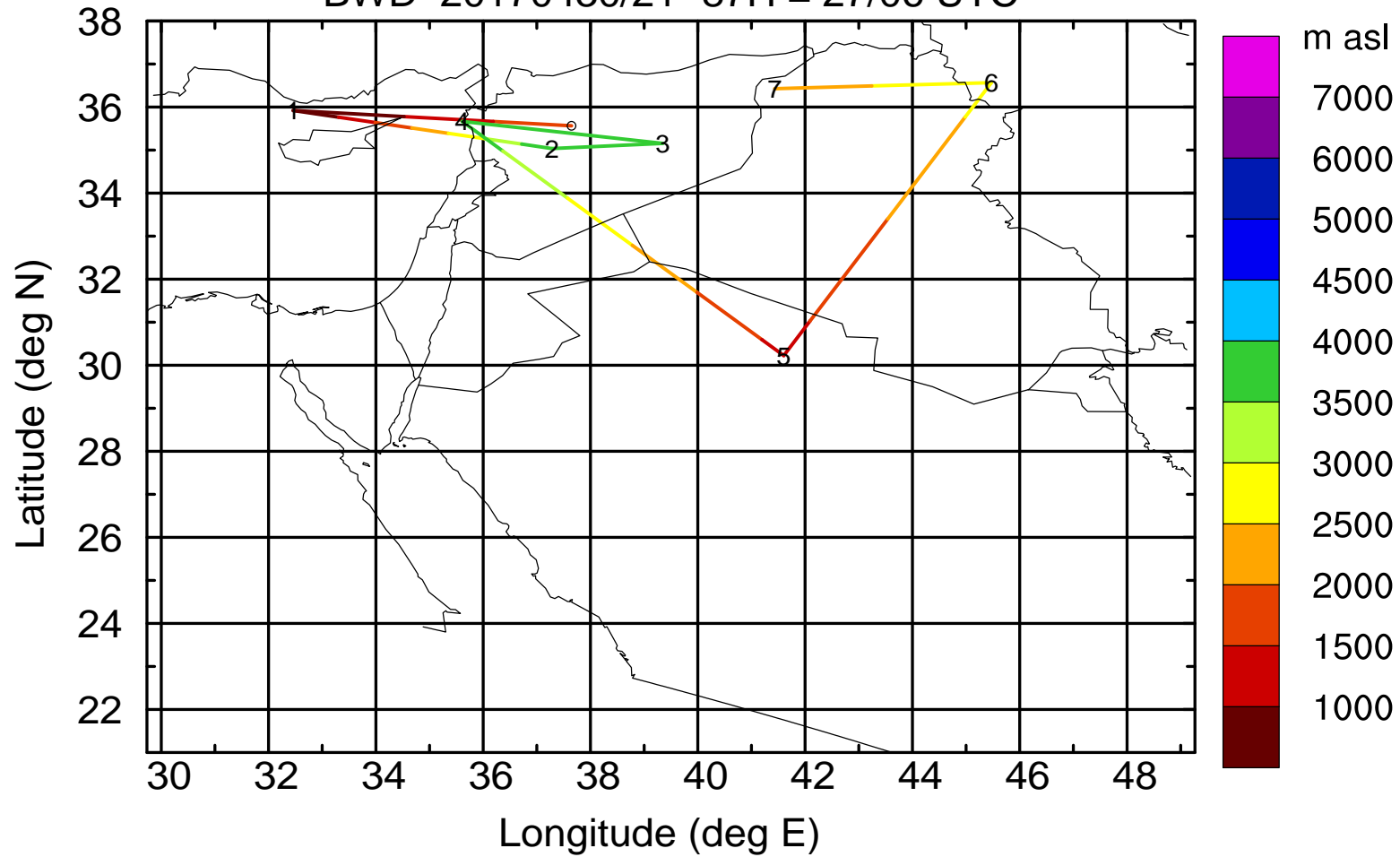
STS ground station 20170430

BWD 20170430/21 -86H = 27/07 UTC



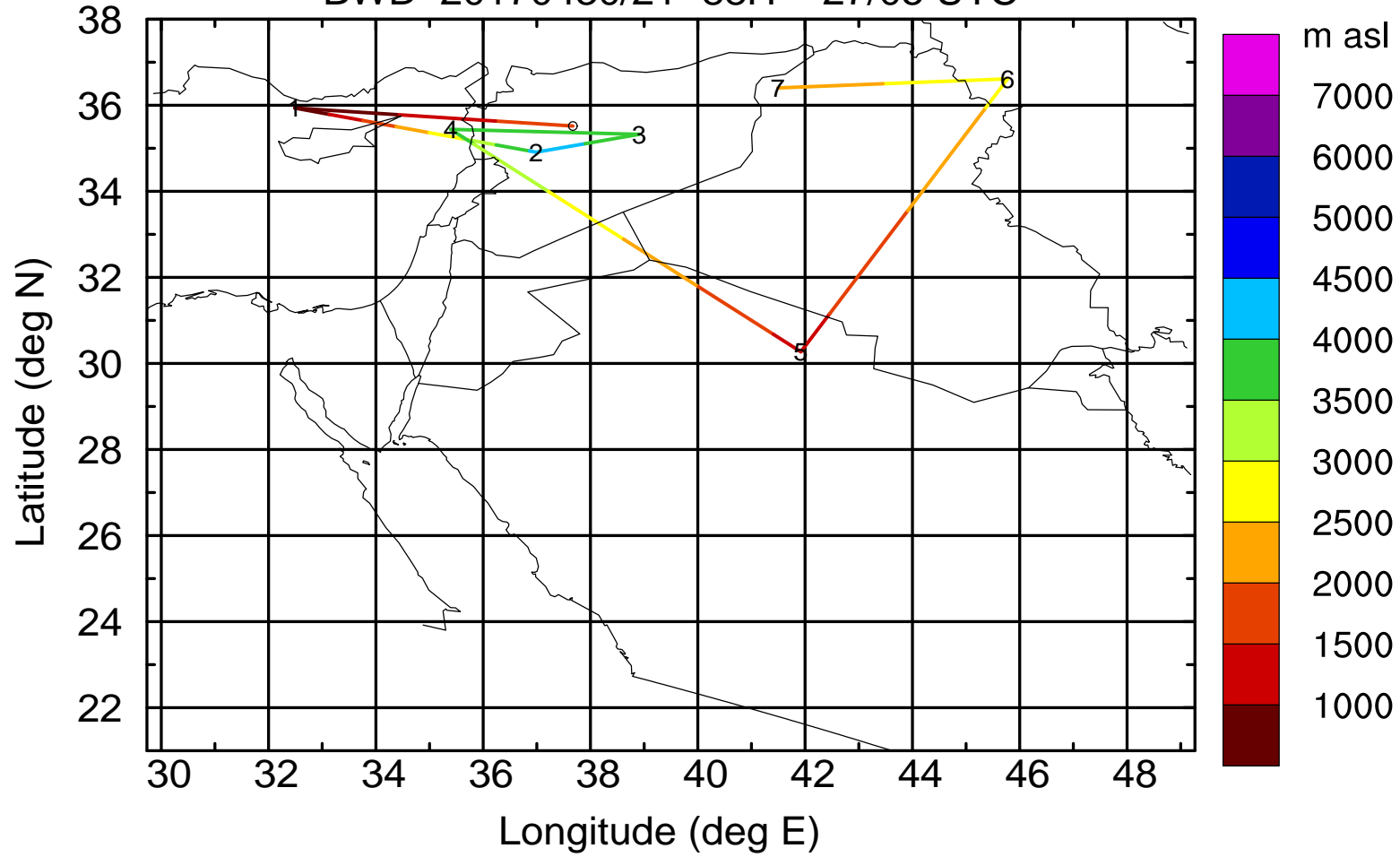
STS ground station 20170430

BWD 20170430/21 -87H = 27/06 UTC



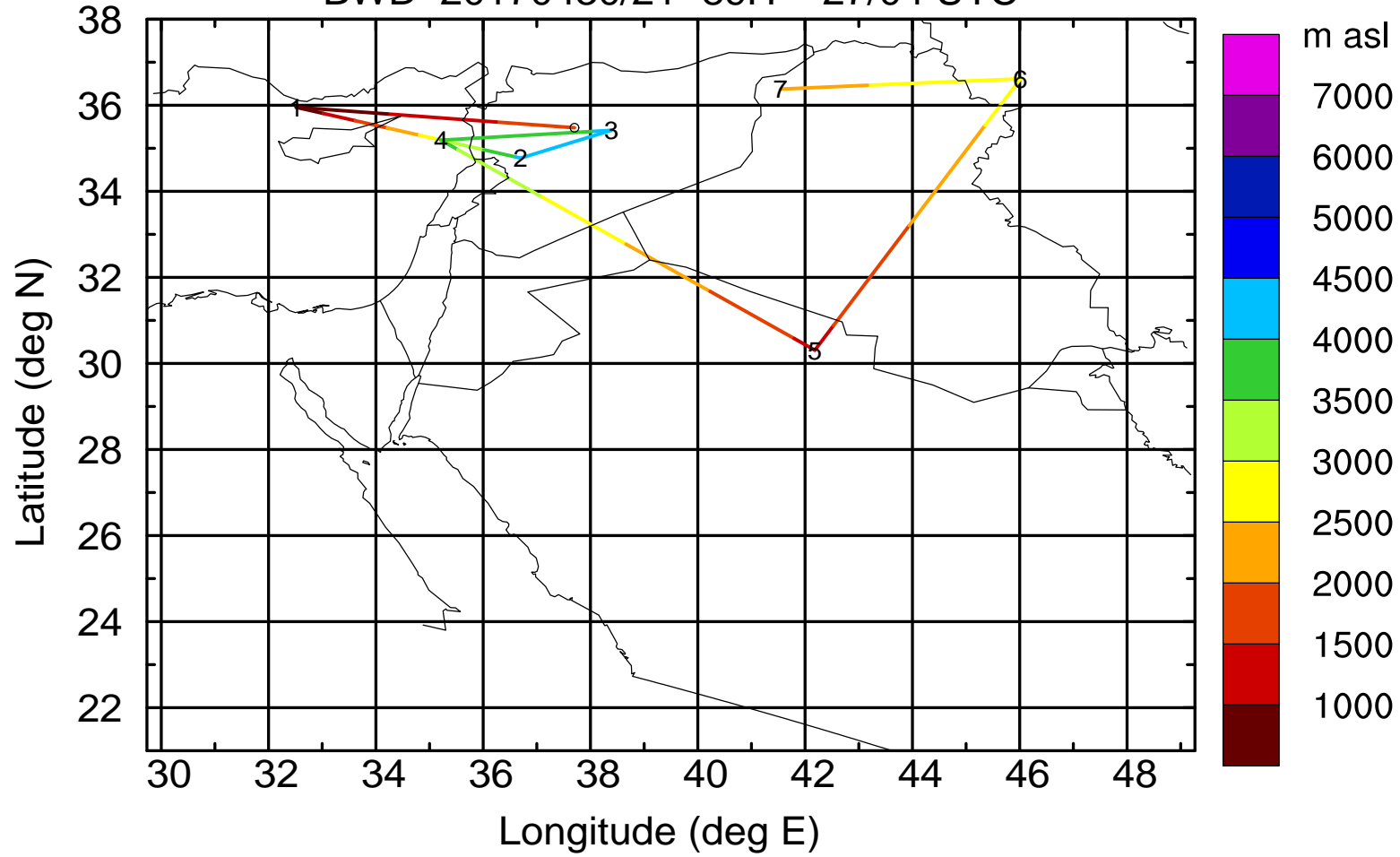
STS ground station 20170430

BWD 20170430/21 -88H = 27/05 UTC



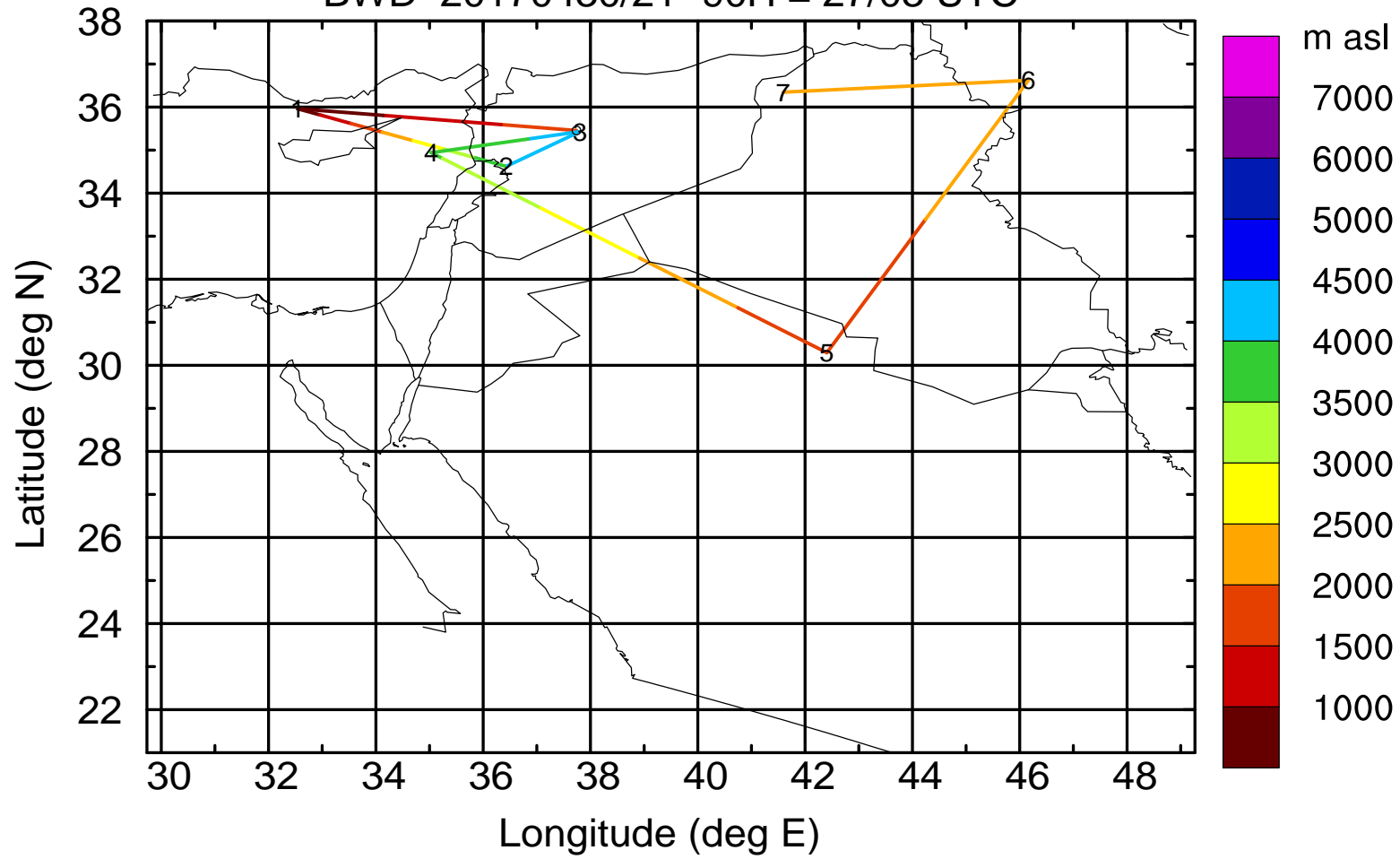
STS ground station 20170430

BWD 20170430/21 -89H = 27/04 UTC



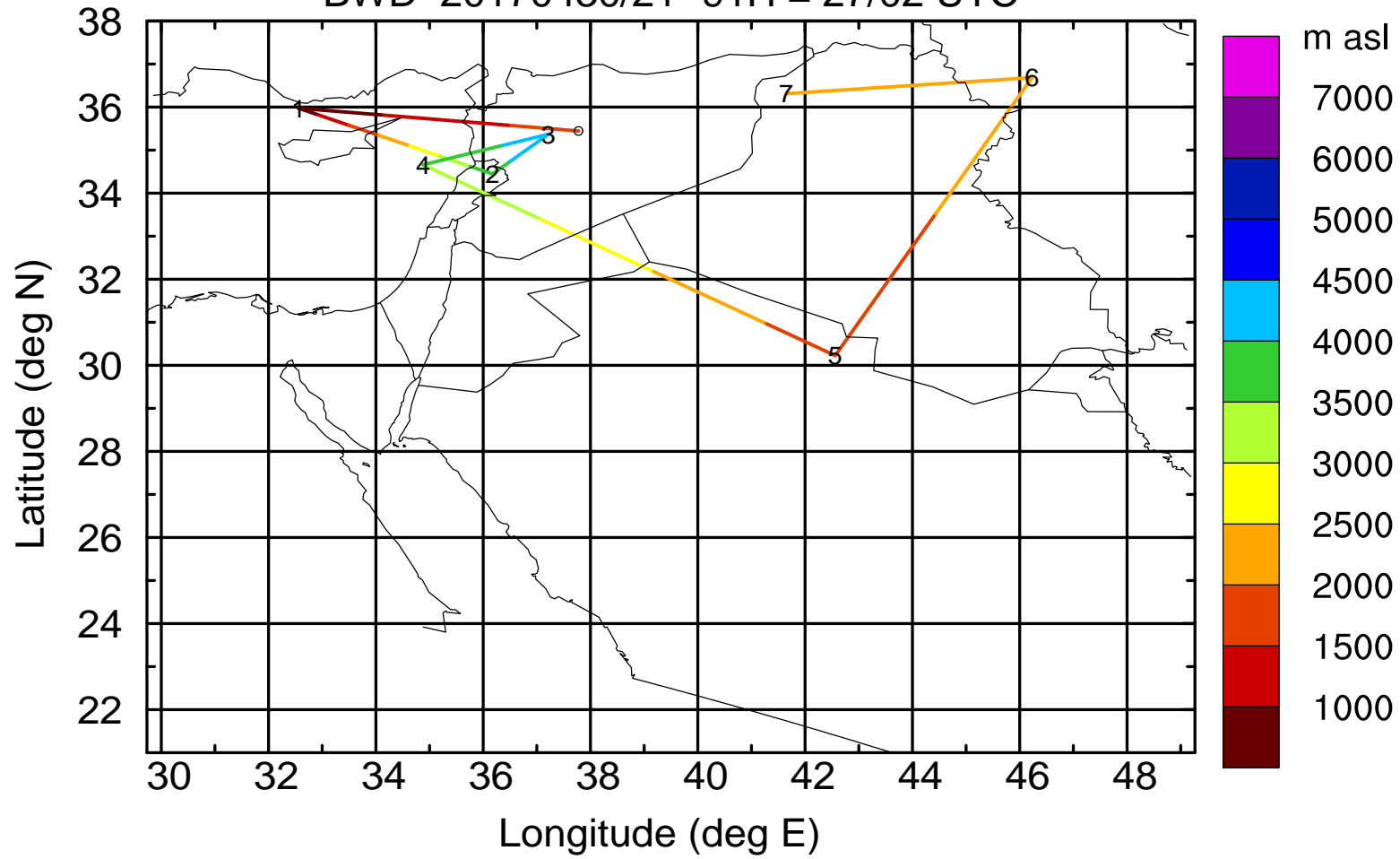
STS ground station 20170430

BWD 20170430/21 -90H = 27/03 UTC



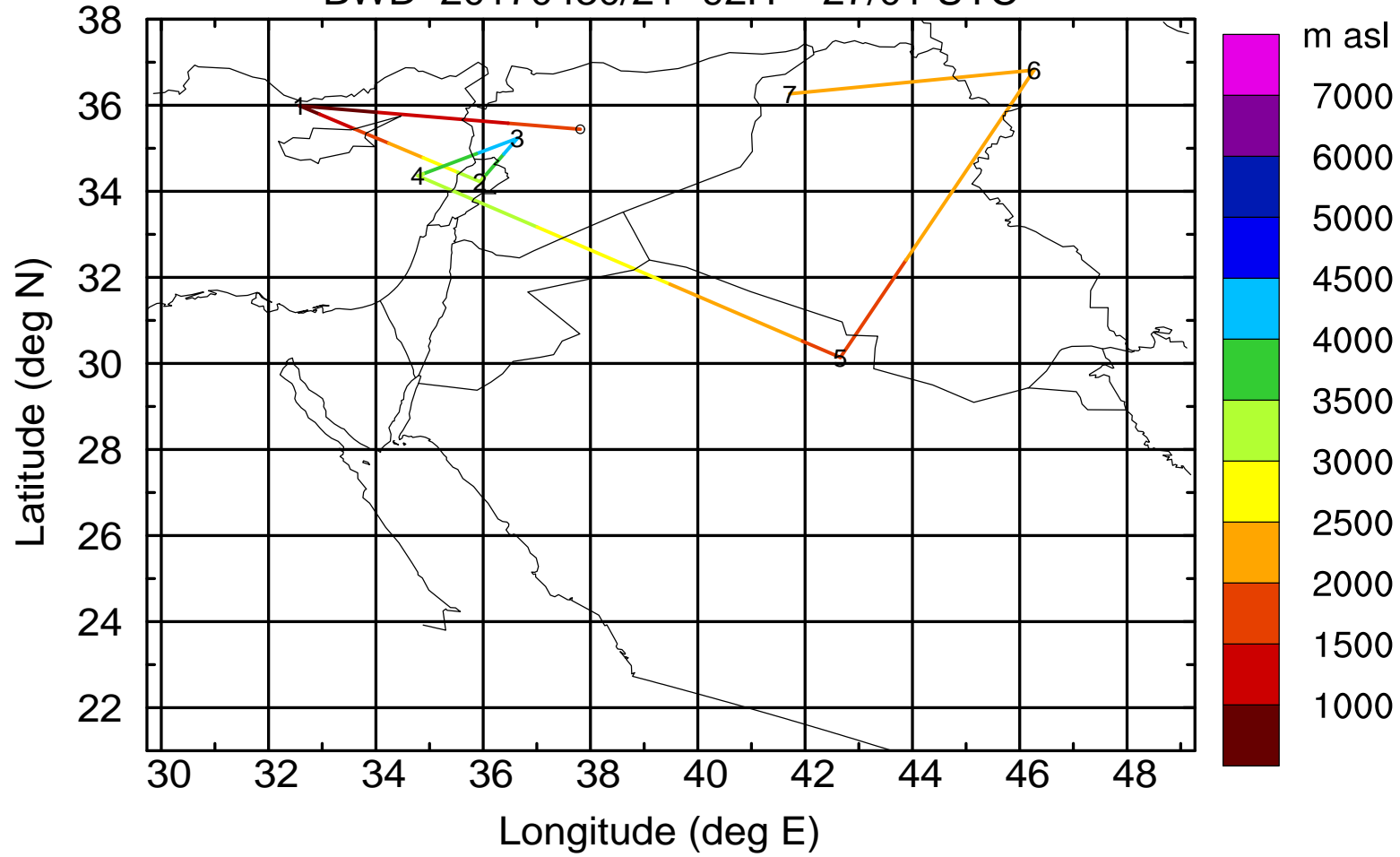
STS ground station 20170430

BWD 20170430/21 -91H = 27/02 UTC



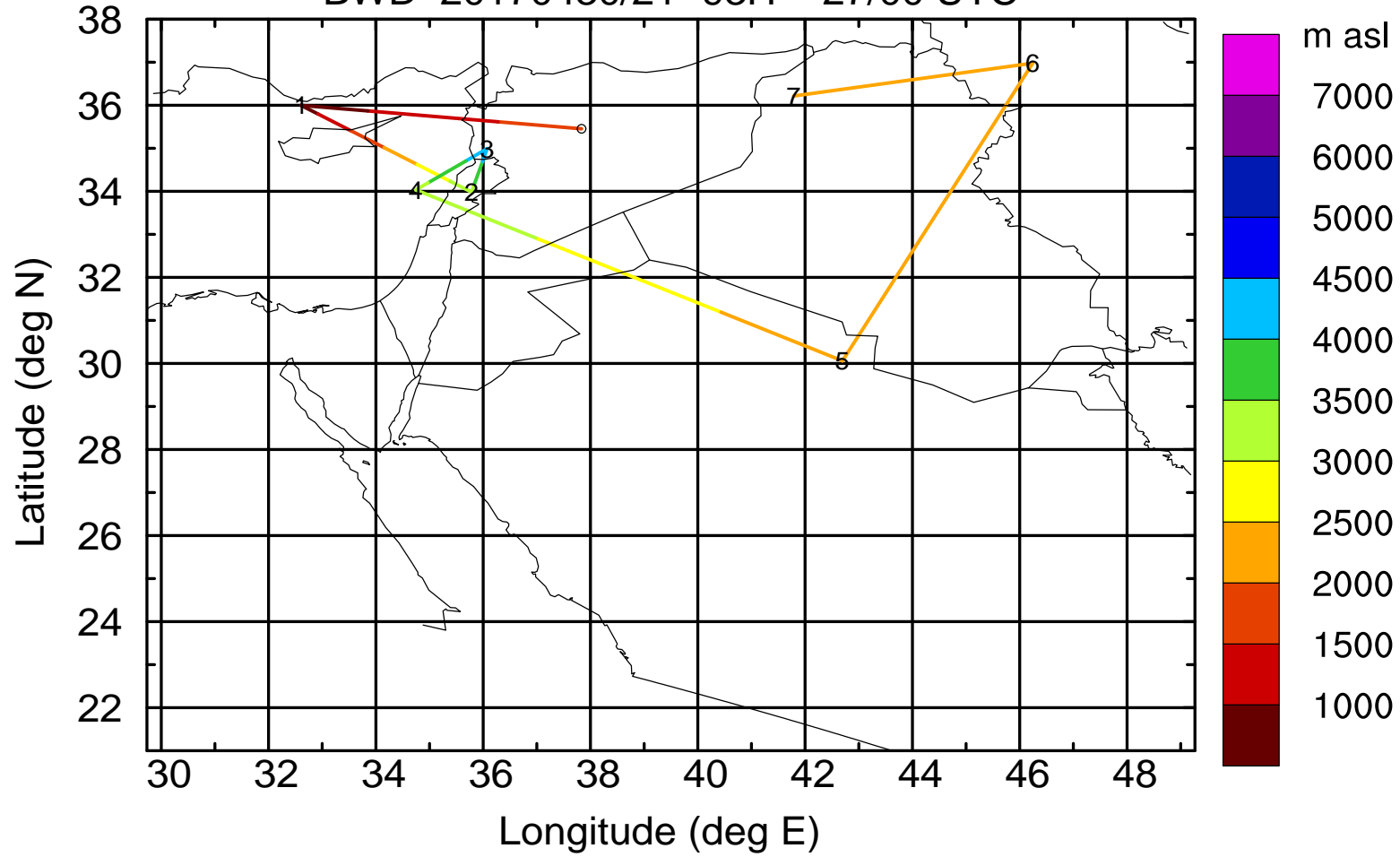
STS ground station 20170430

BWD 20170430/21 -92H = 27/01 UTC



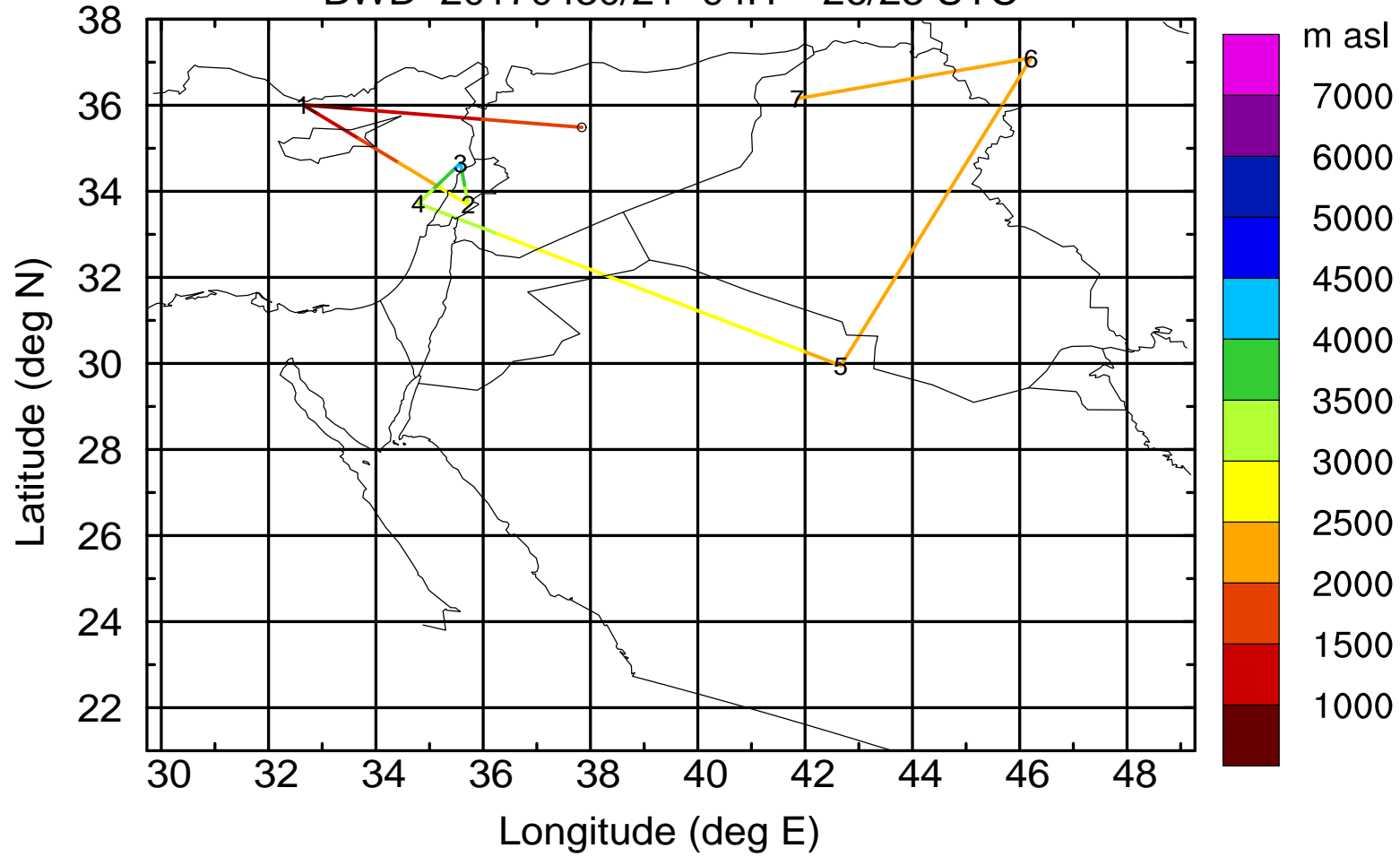
STS ground station 20170430

BWD 20170430/21 -93H = 27/00 UTC



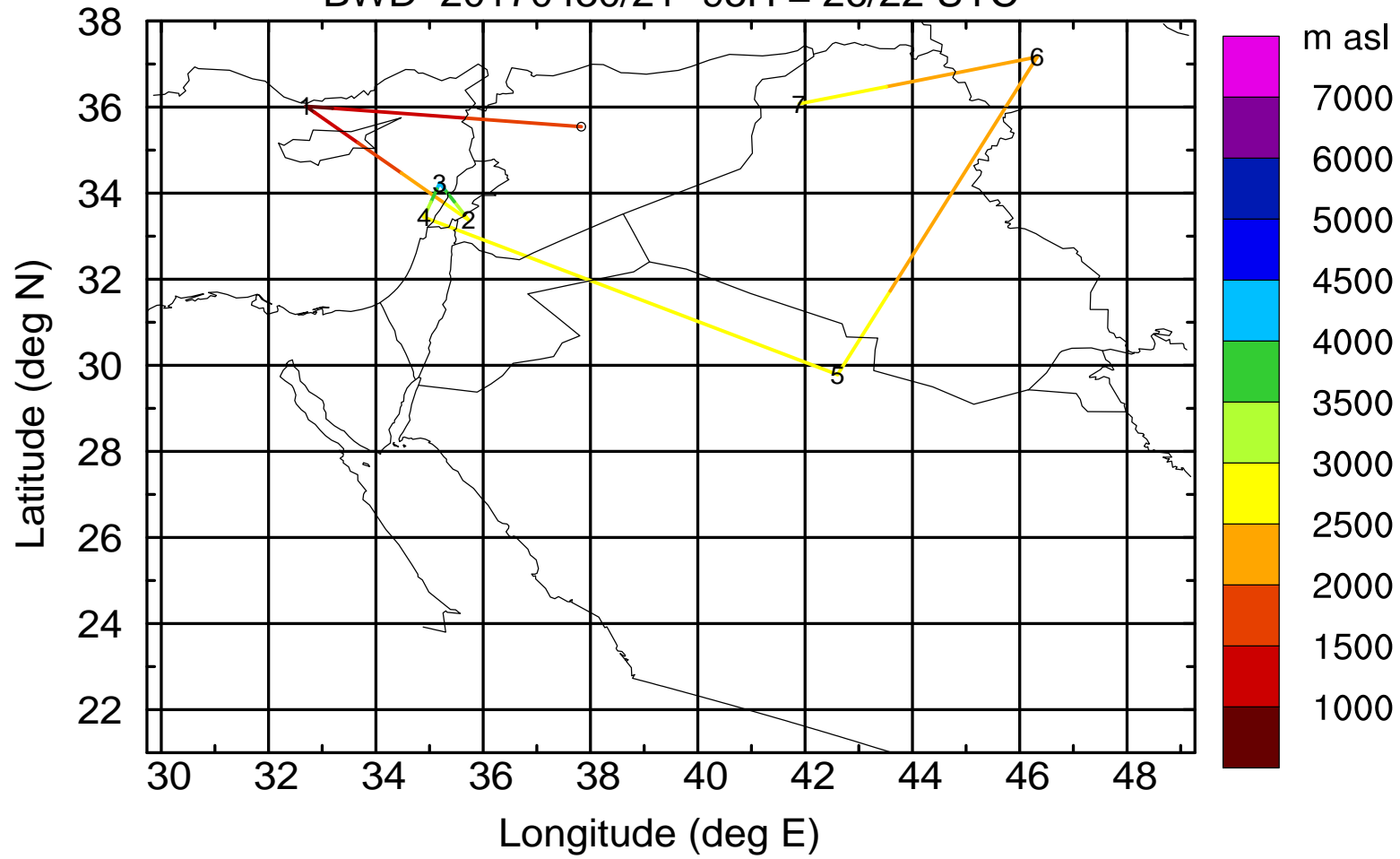
STS ground station 20170430

BWD 20170430/21 -94H = 26/23 UTC



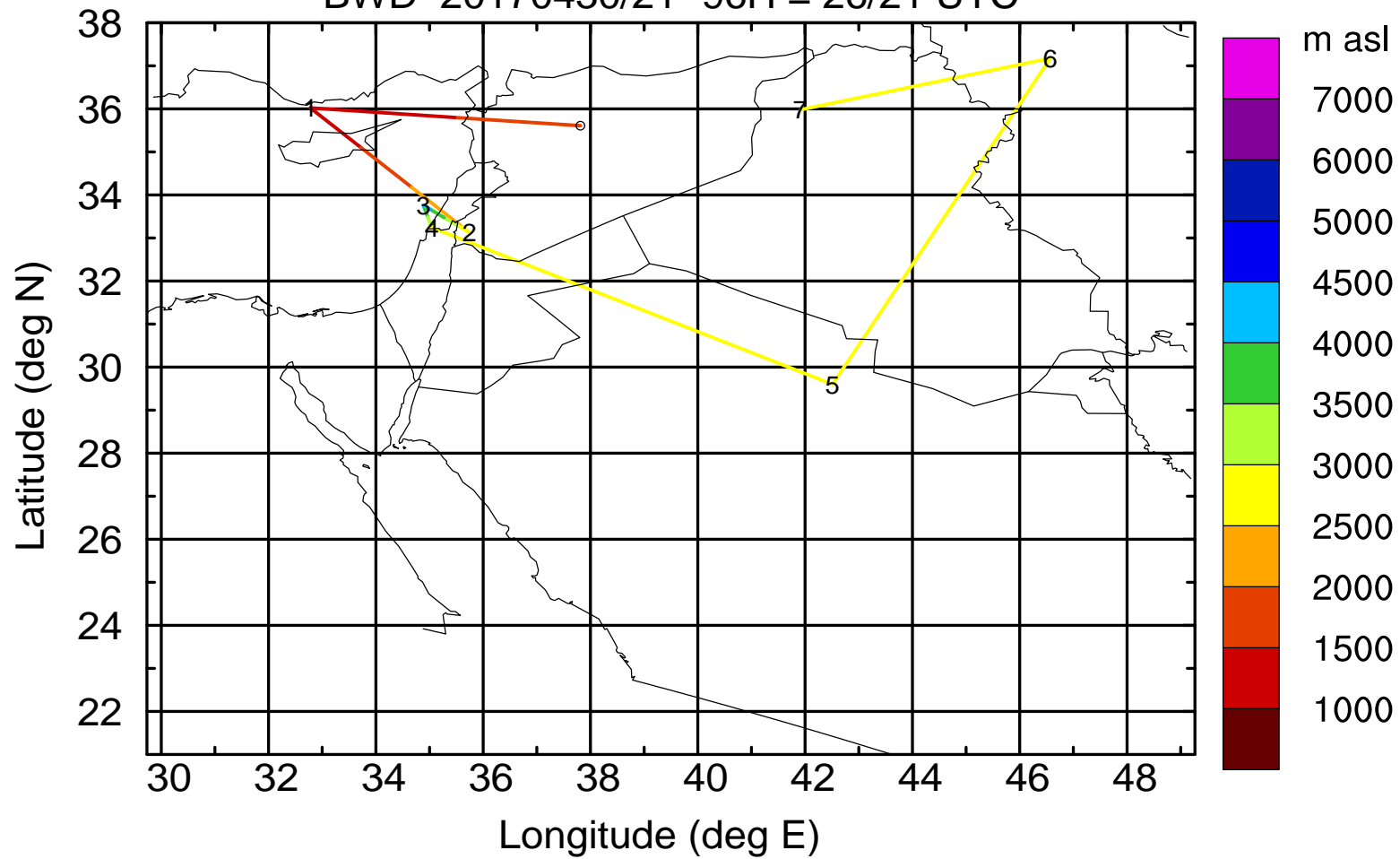
STS ground station 20170430

BWD 20170430/21 -95H = 26/22 UTC



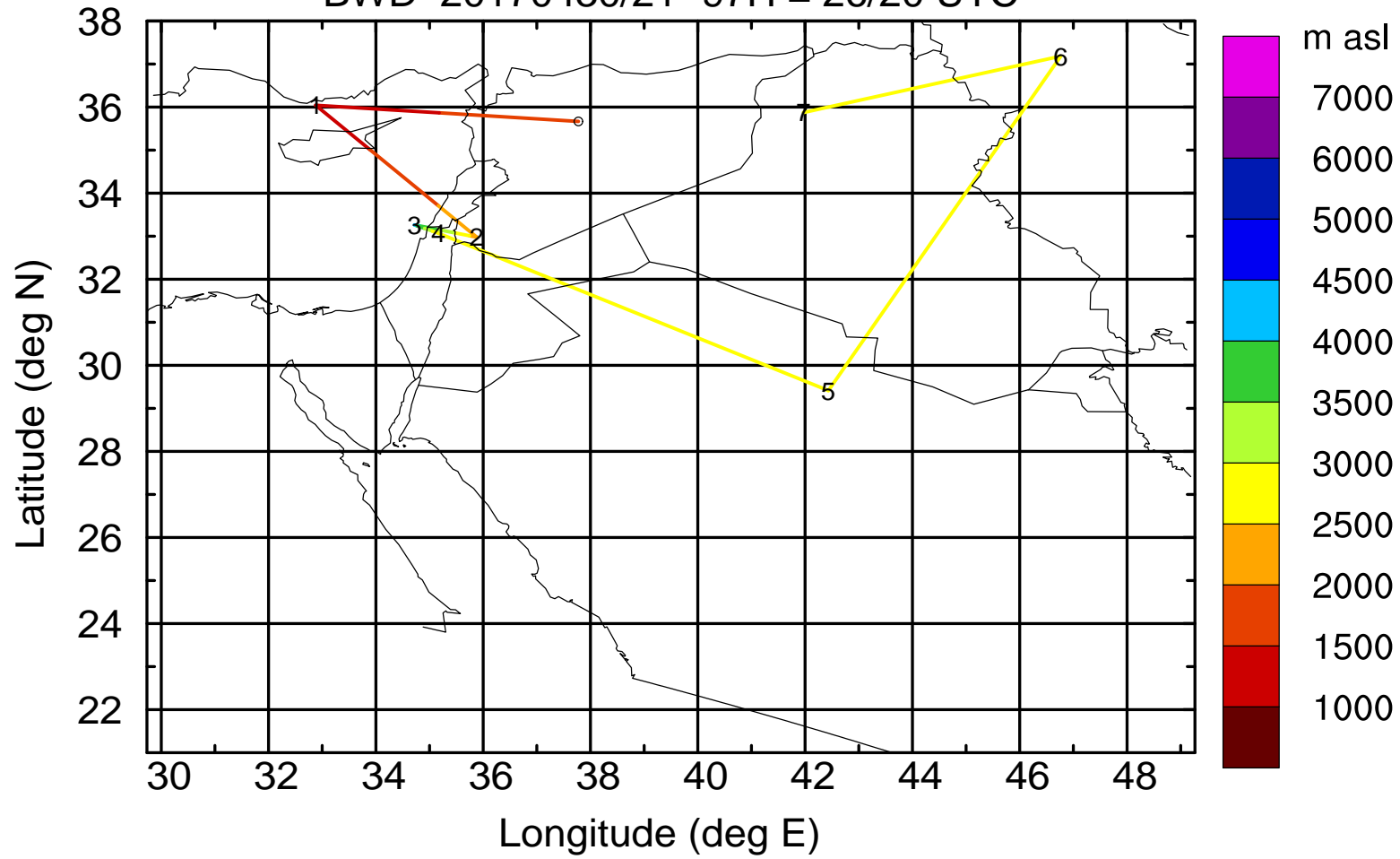
STS ground station 20170430

BWD 20170430/21 -96H = 26/21 UTC



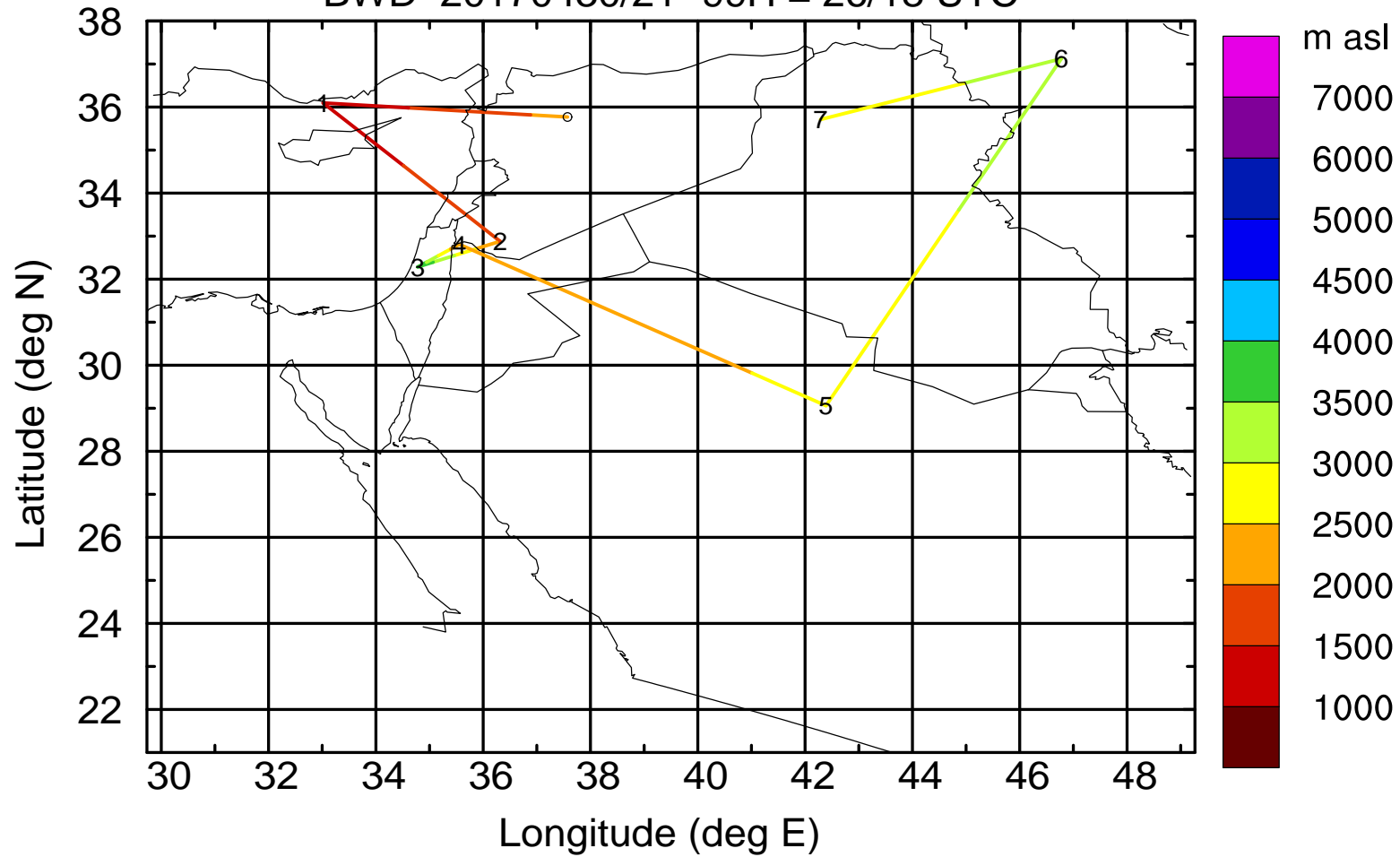
STS ground station 20170430

BWD 20170430/21 -97H = 26/20 UTC



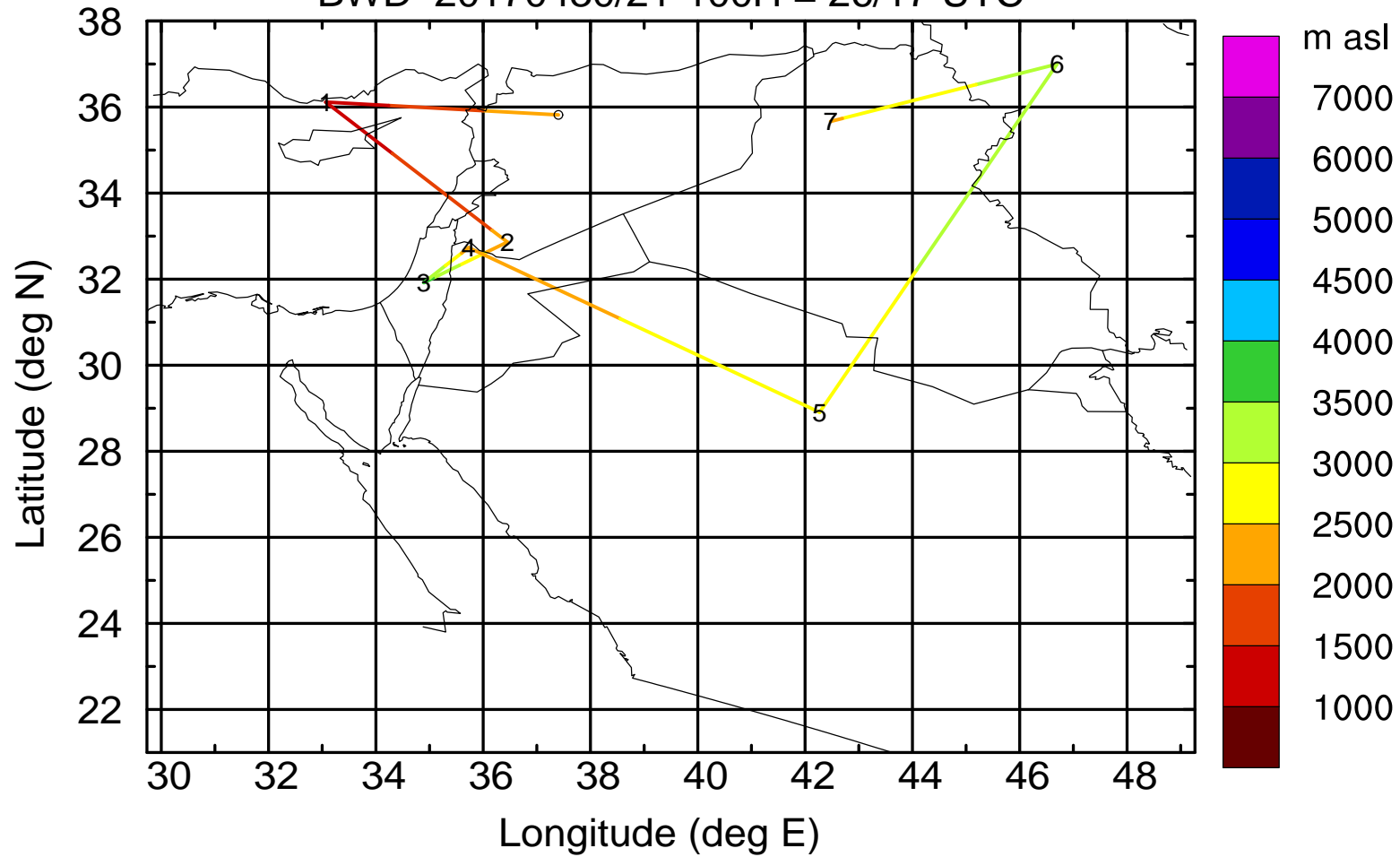
STS ground station 20170430

BWD 20170430/21 -99H = 26/18 UTC



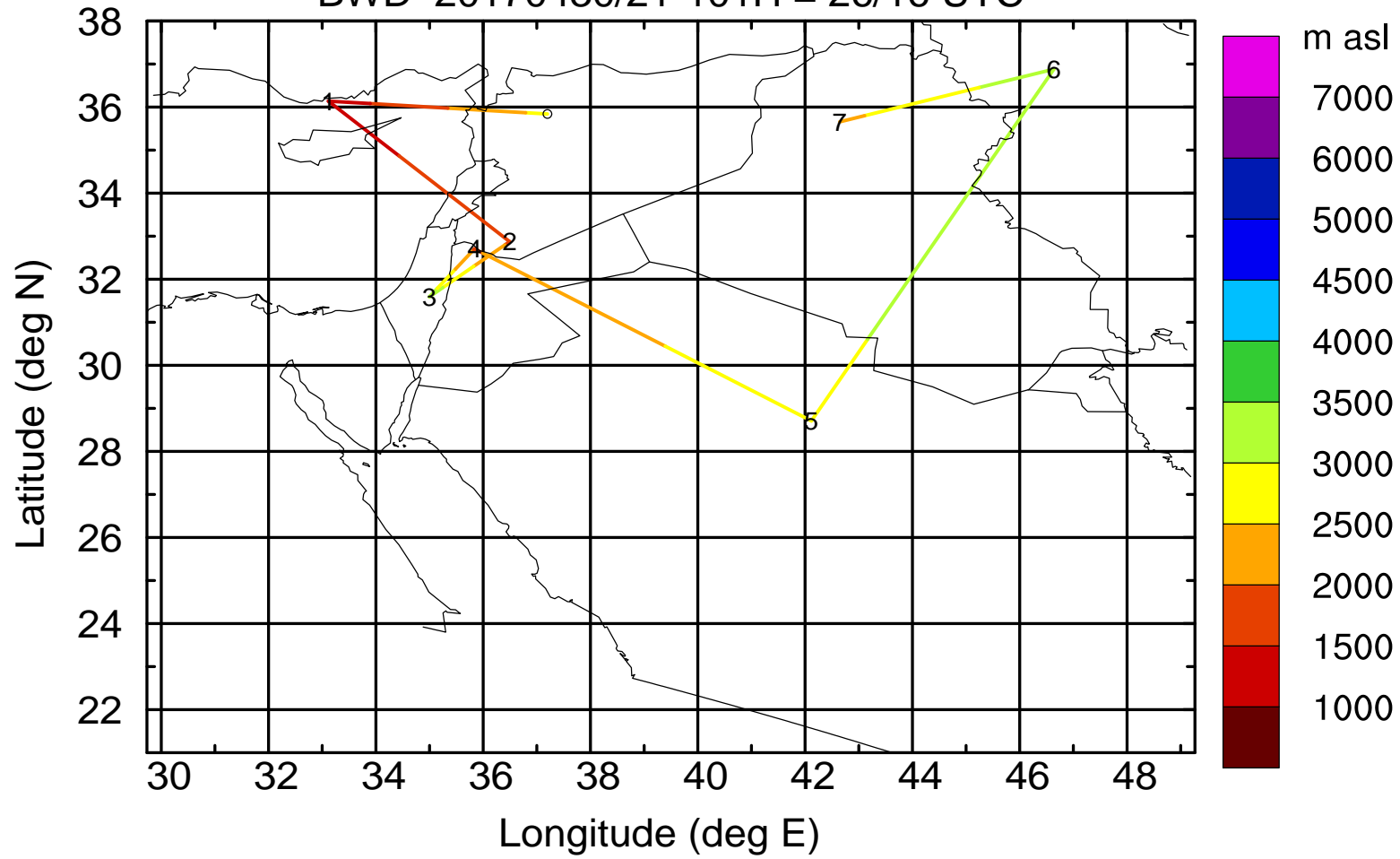
STS ground station 20170430

BWD 20170430/21-100H = 26/17 UTC



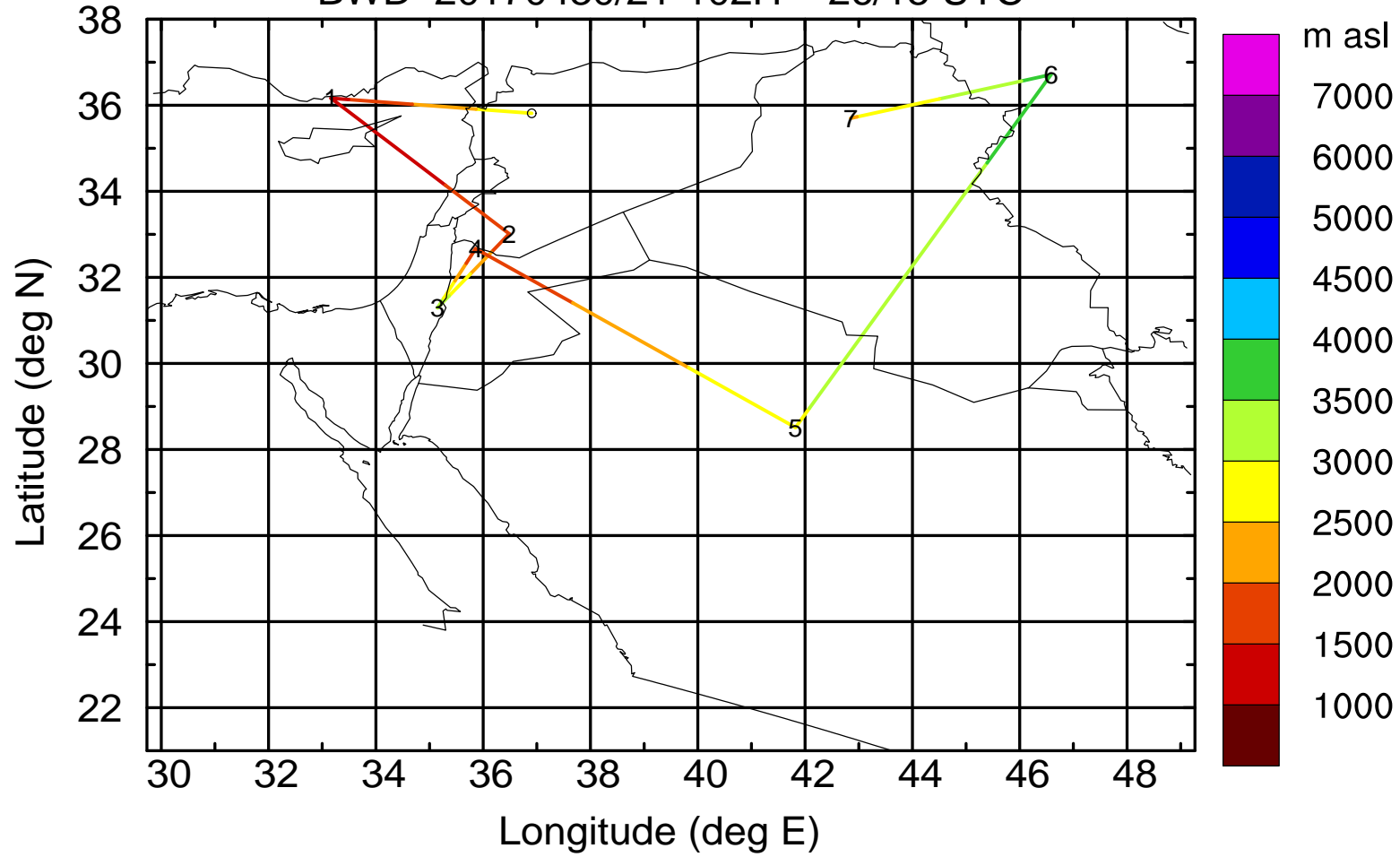
STS ground station 20170430

BWD 20170430/21-101H = 26/16 UTC



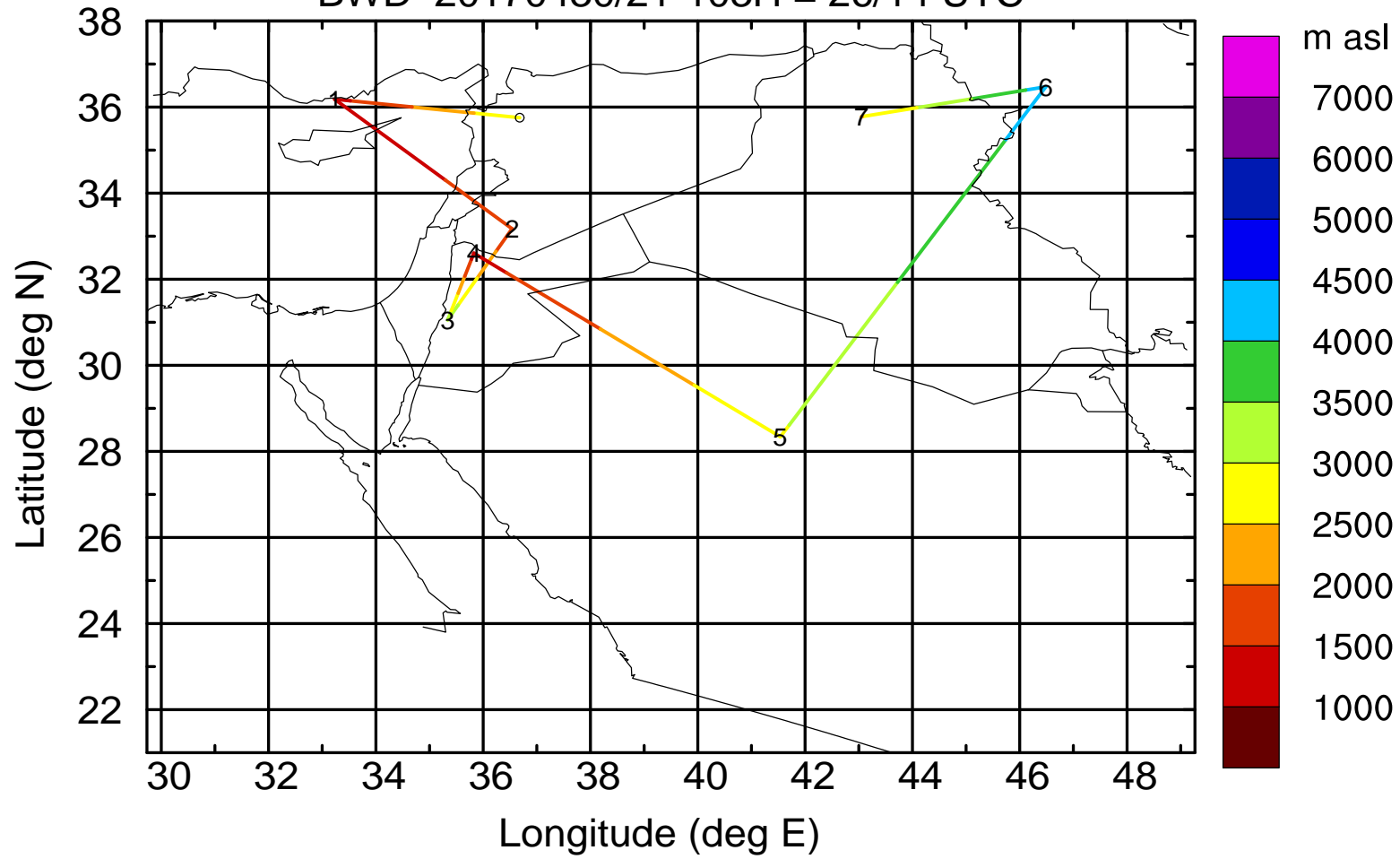
STS ground station 20170430

BWD 20170430/21-102H = 26/15 UTC



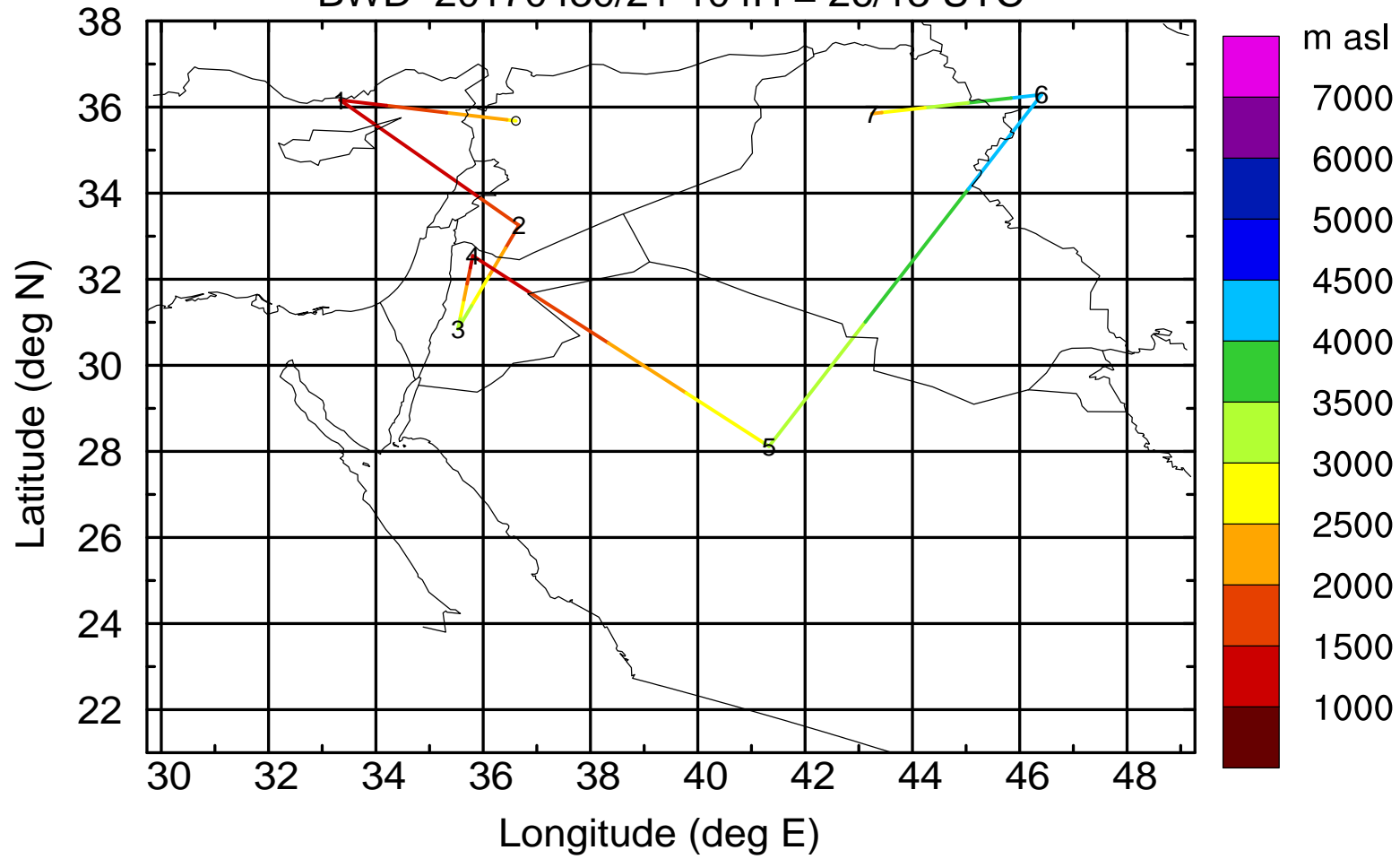
STS ground station 20170430

BWD 20170430/21-103H = 26/14 UTC



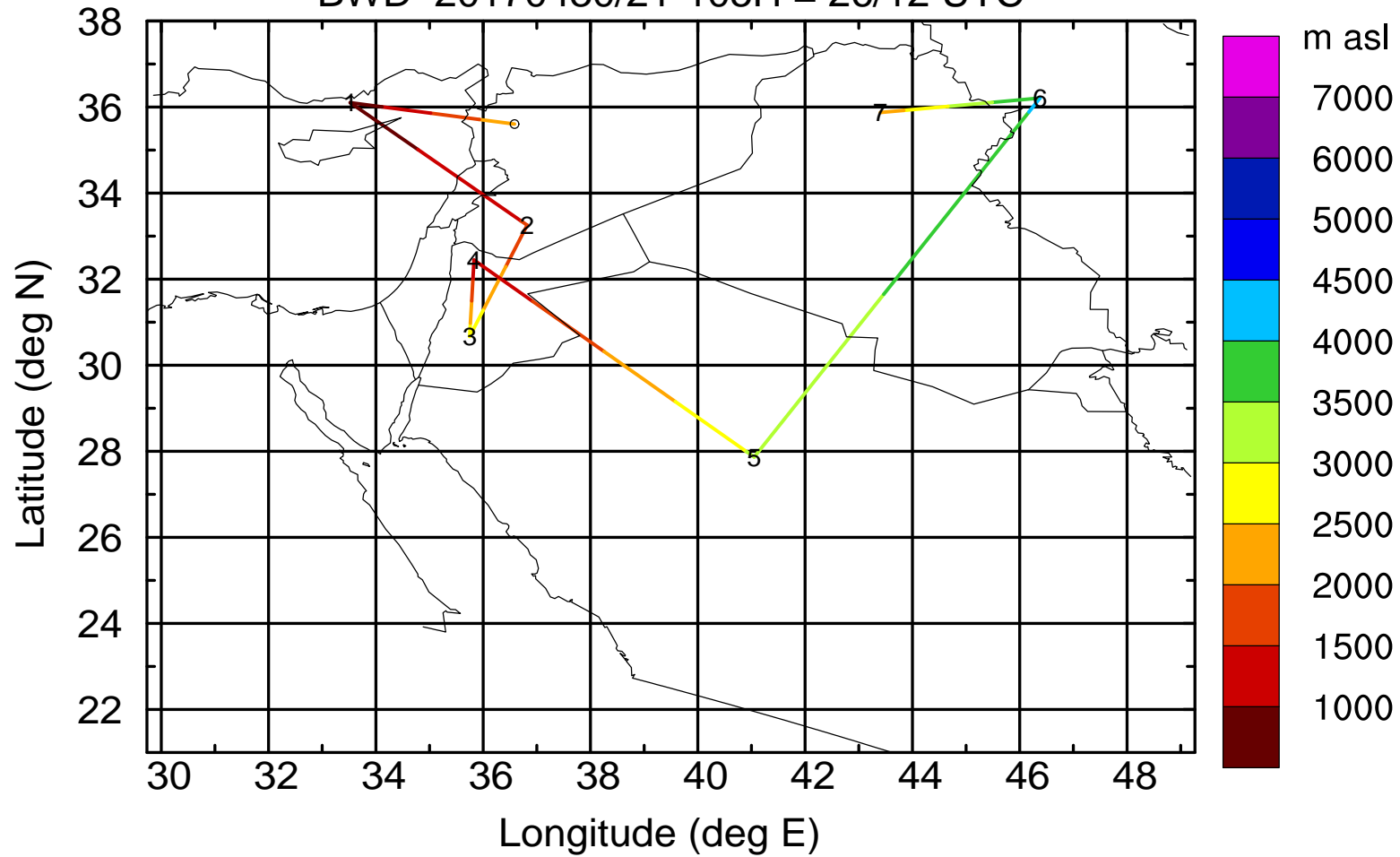
STS ground station 20170430

BWD 20170430/21-104H = 26/13 UTC



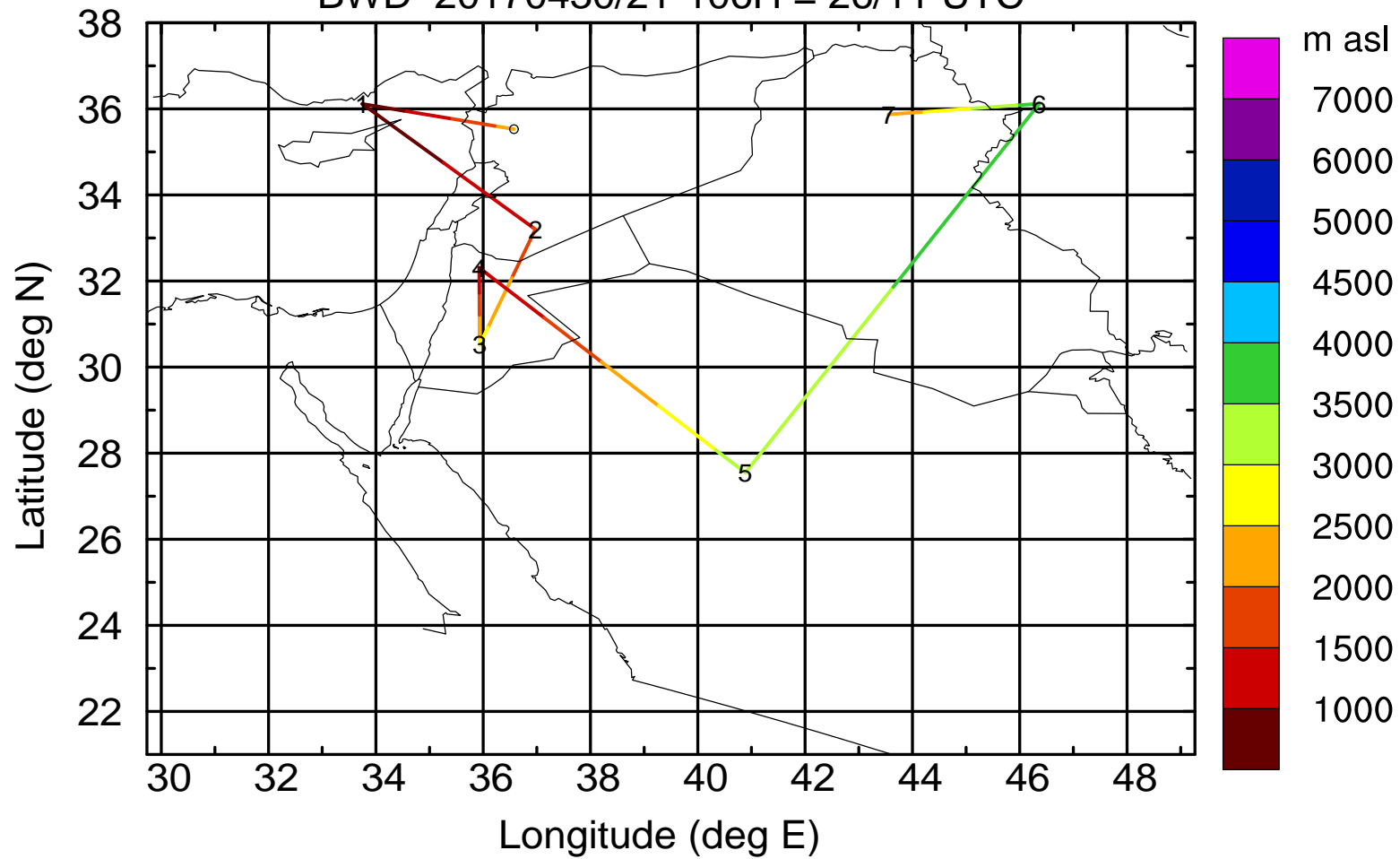
STS ground station 20170430

BWD 20170430/21-105H = 26/12 UTC



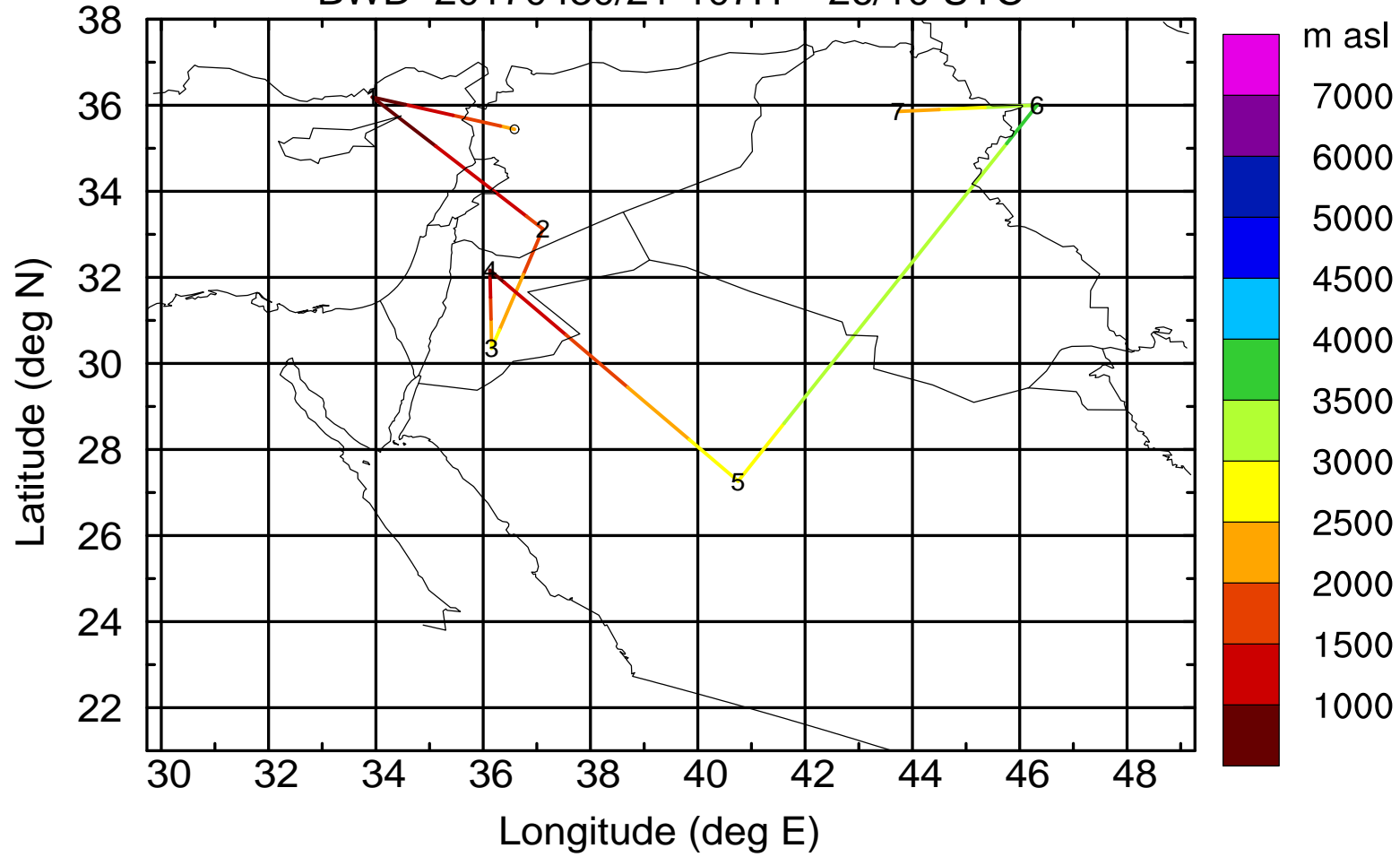
STS ground station 20170430

BWD 20170430/21-106H = 26/11 UTC



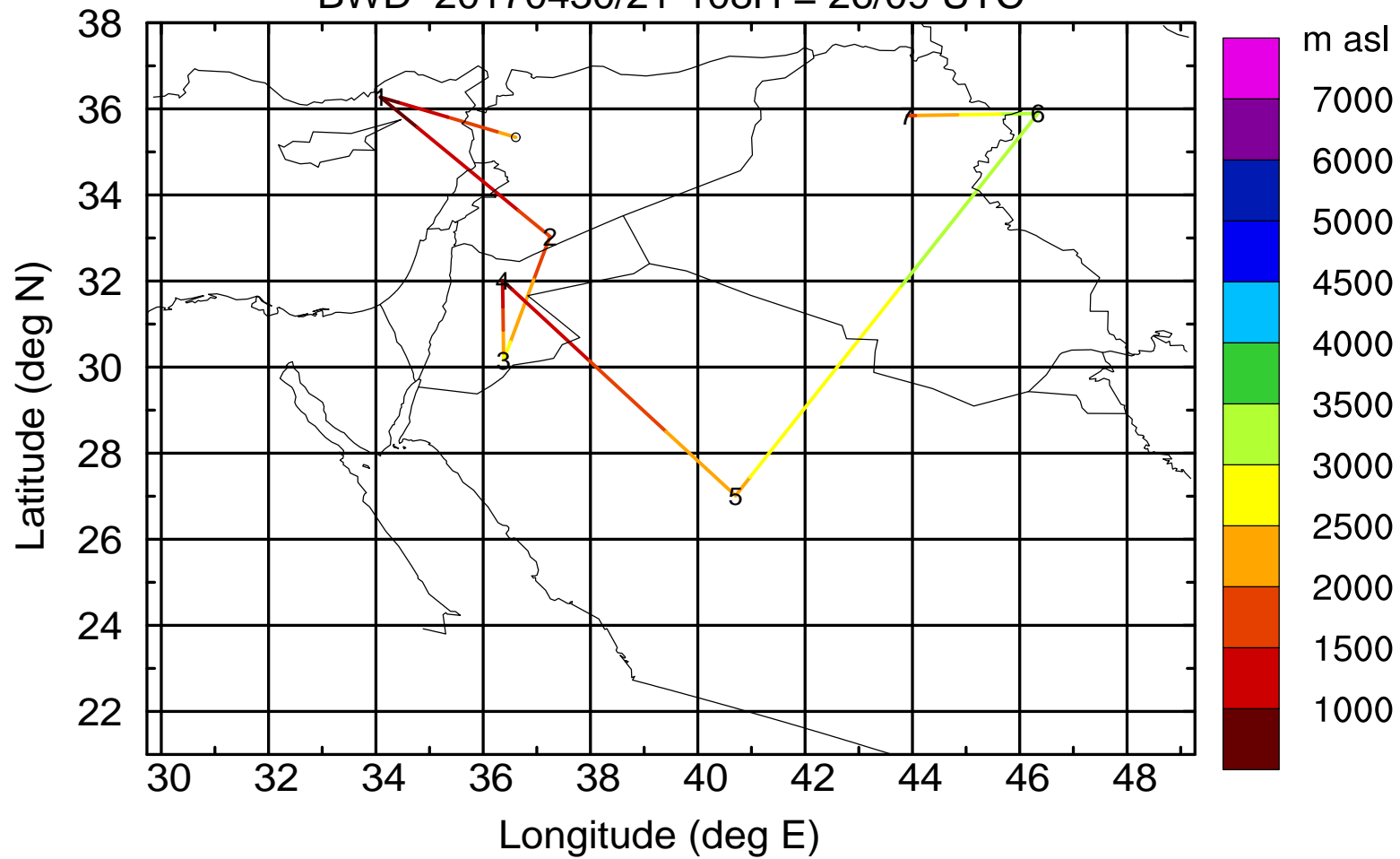
STS ground station 20170430

BWD 20170430/21-107H = 26/10 UTC



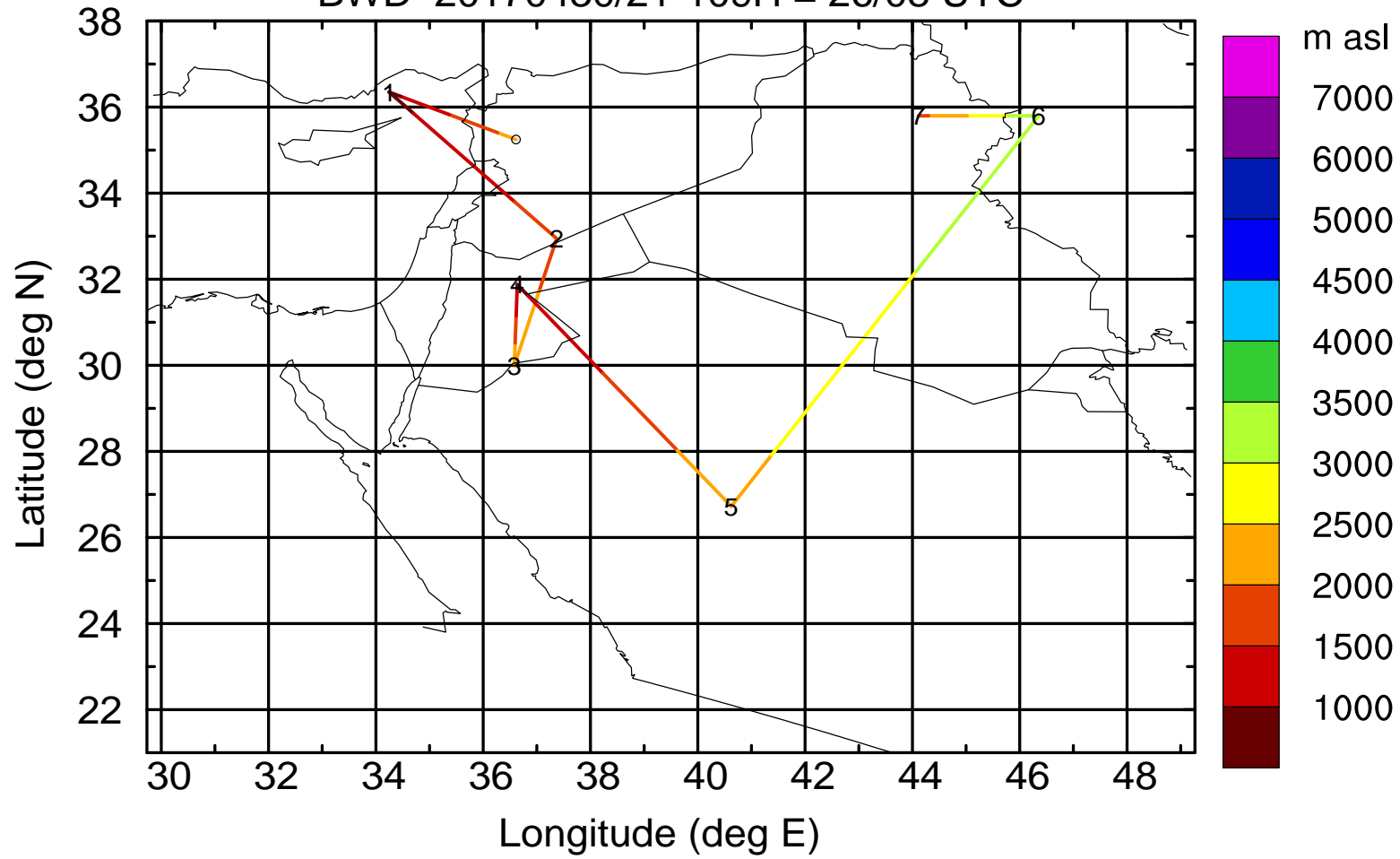
STS ground station 20170430

BWD 20170430/21-108H = 26/09 UTC



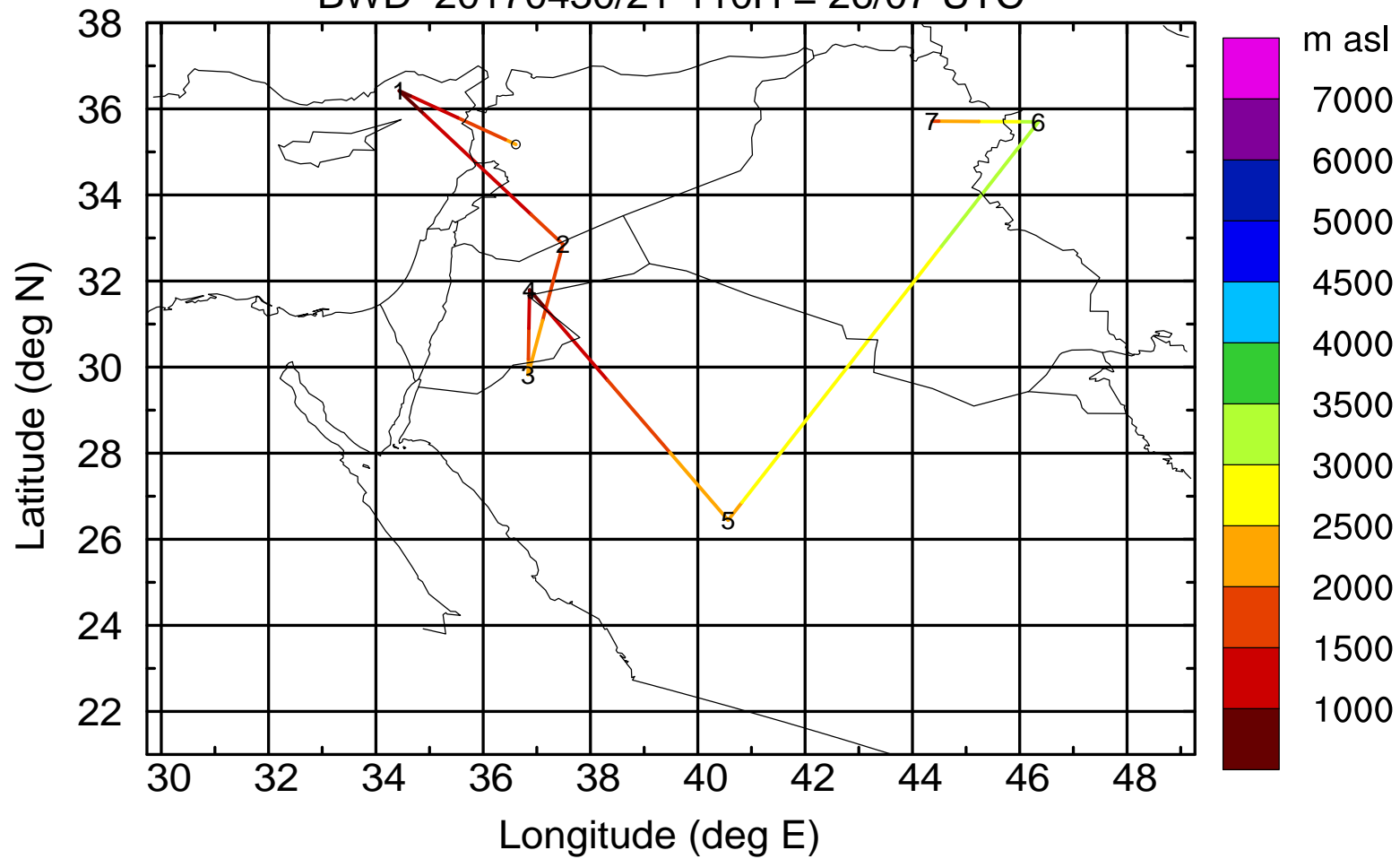
STS ground station 20170430

BWD 20170430/21-109H = 26/08 UTC



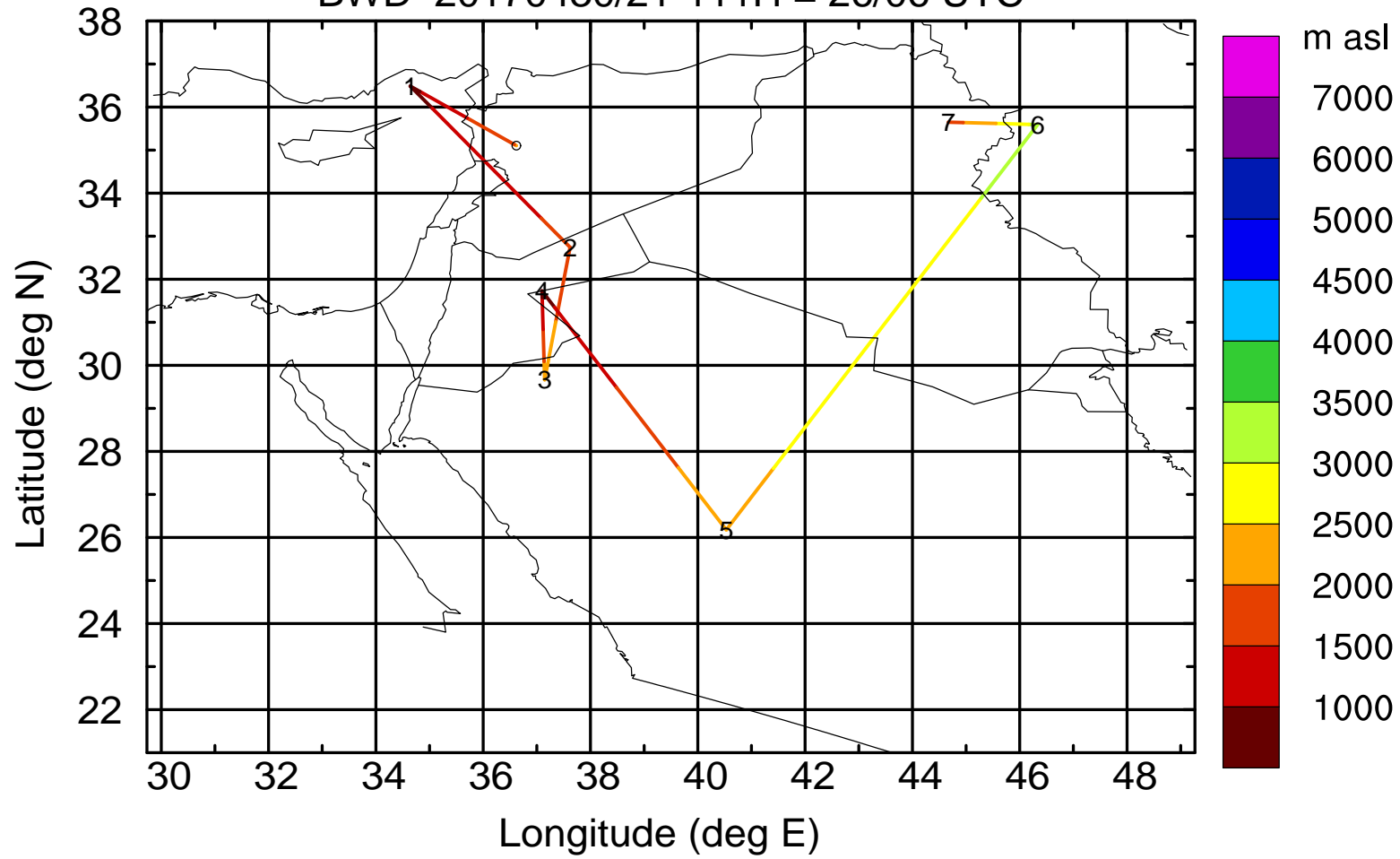
STS ground station 20170430

BWD 20170430/21-110H = 26/07 UTC



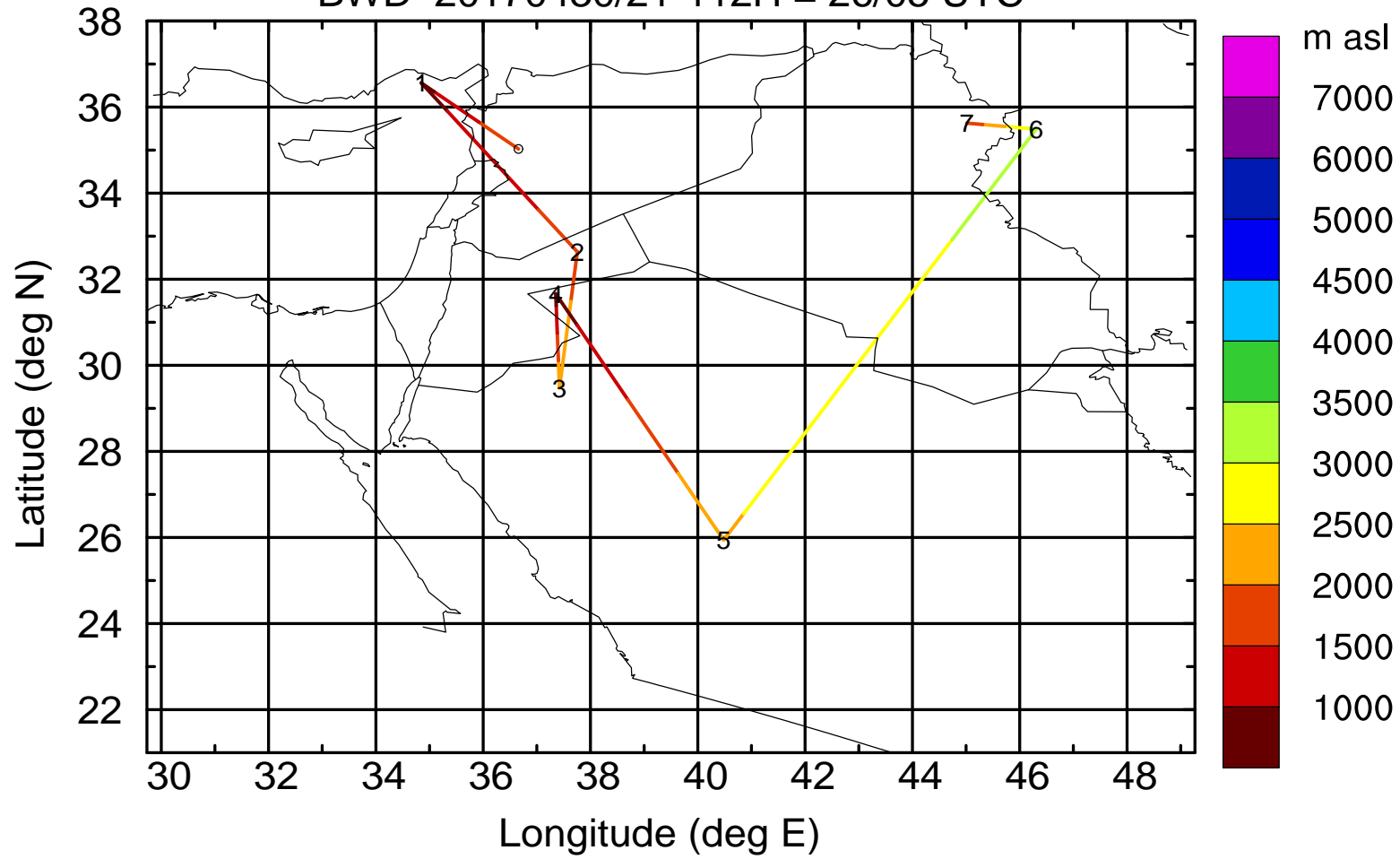
STS ground station 20170430

BWD 20170430/21-111H = 26/06 UTC



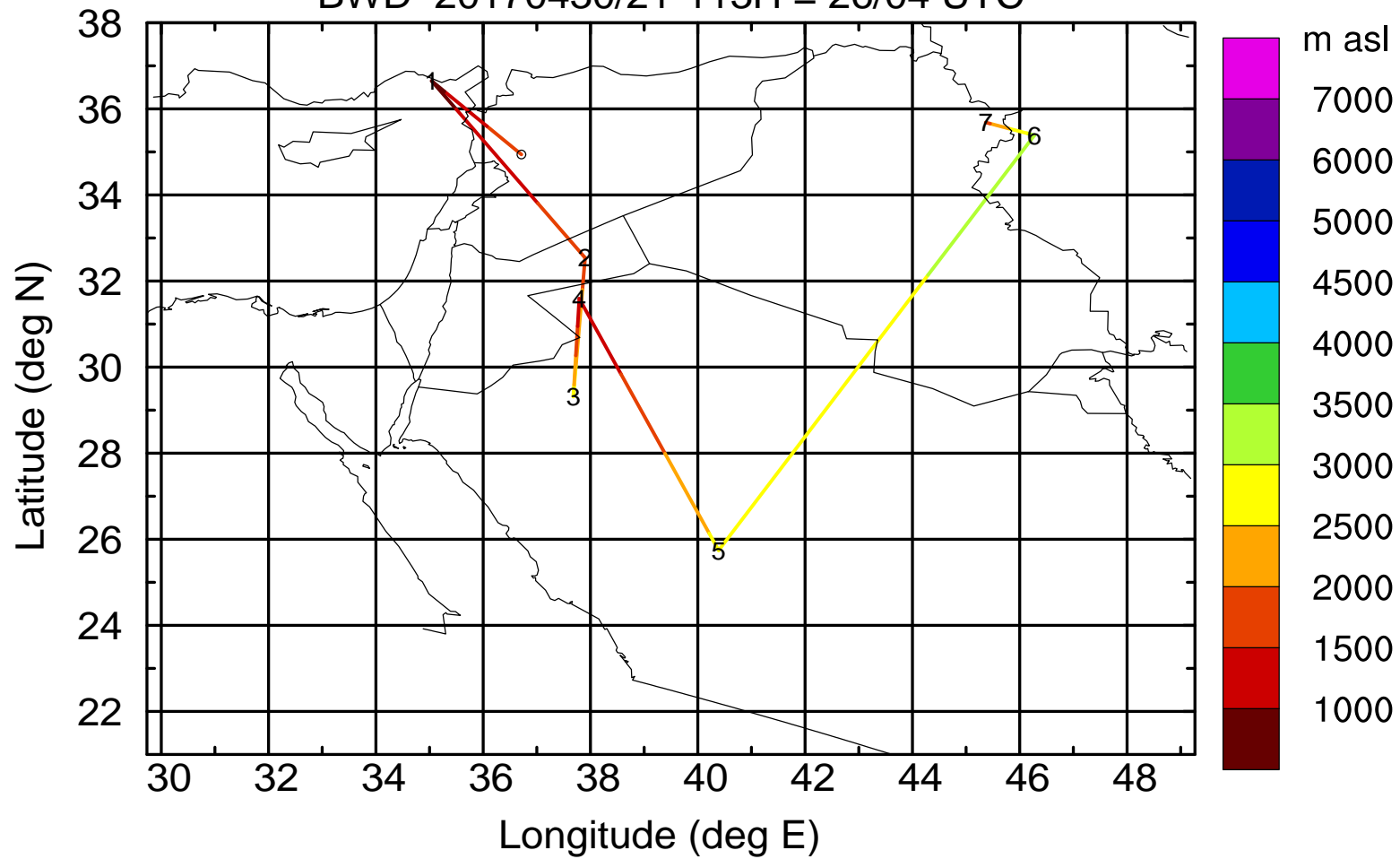
STS ground station 20170430

BWD 20170430/21-112H = 26/05 UTC



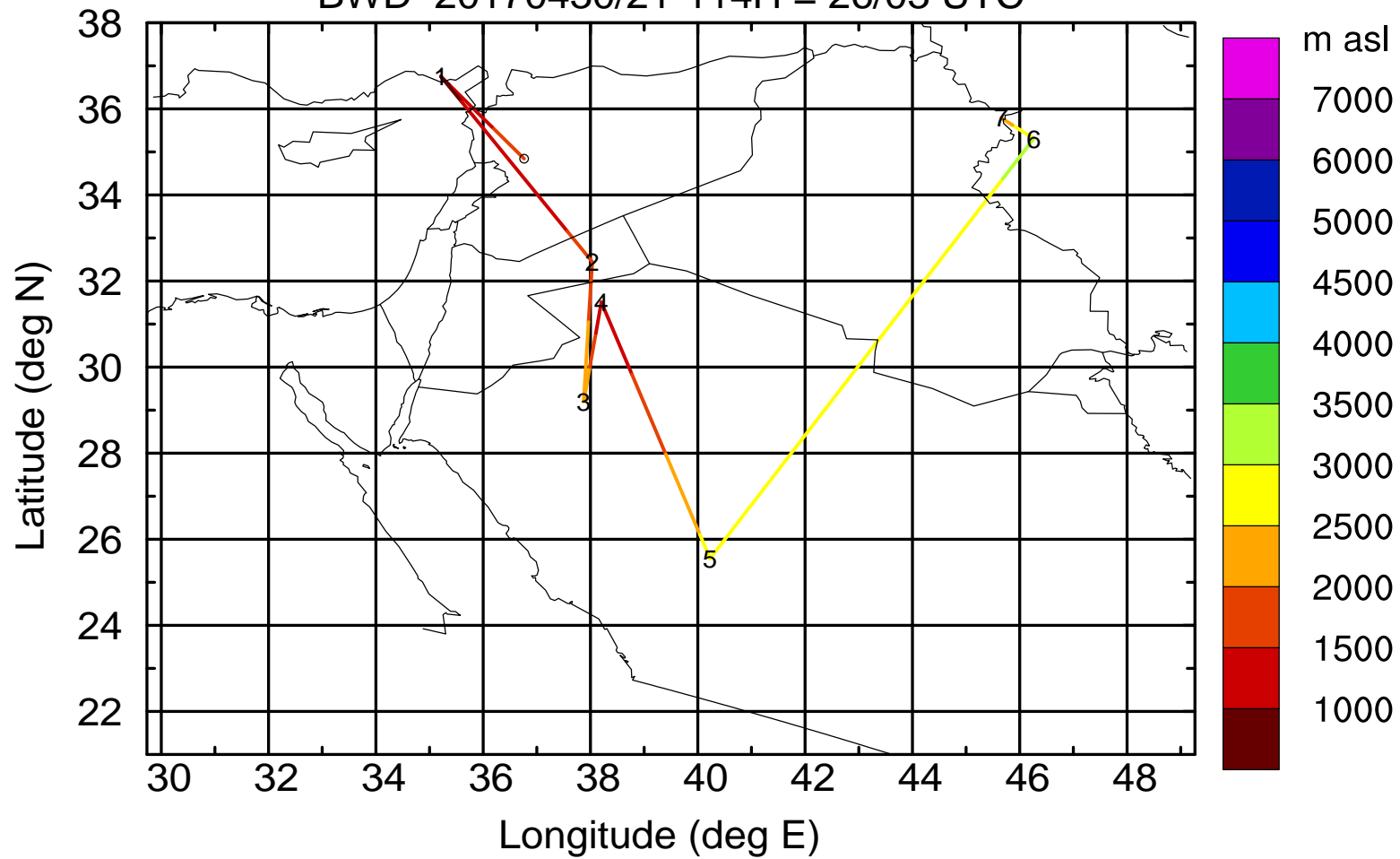
STS ground station 20170430

BWD 20170430/21-113H = 26/04 UTC



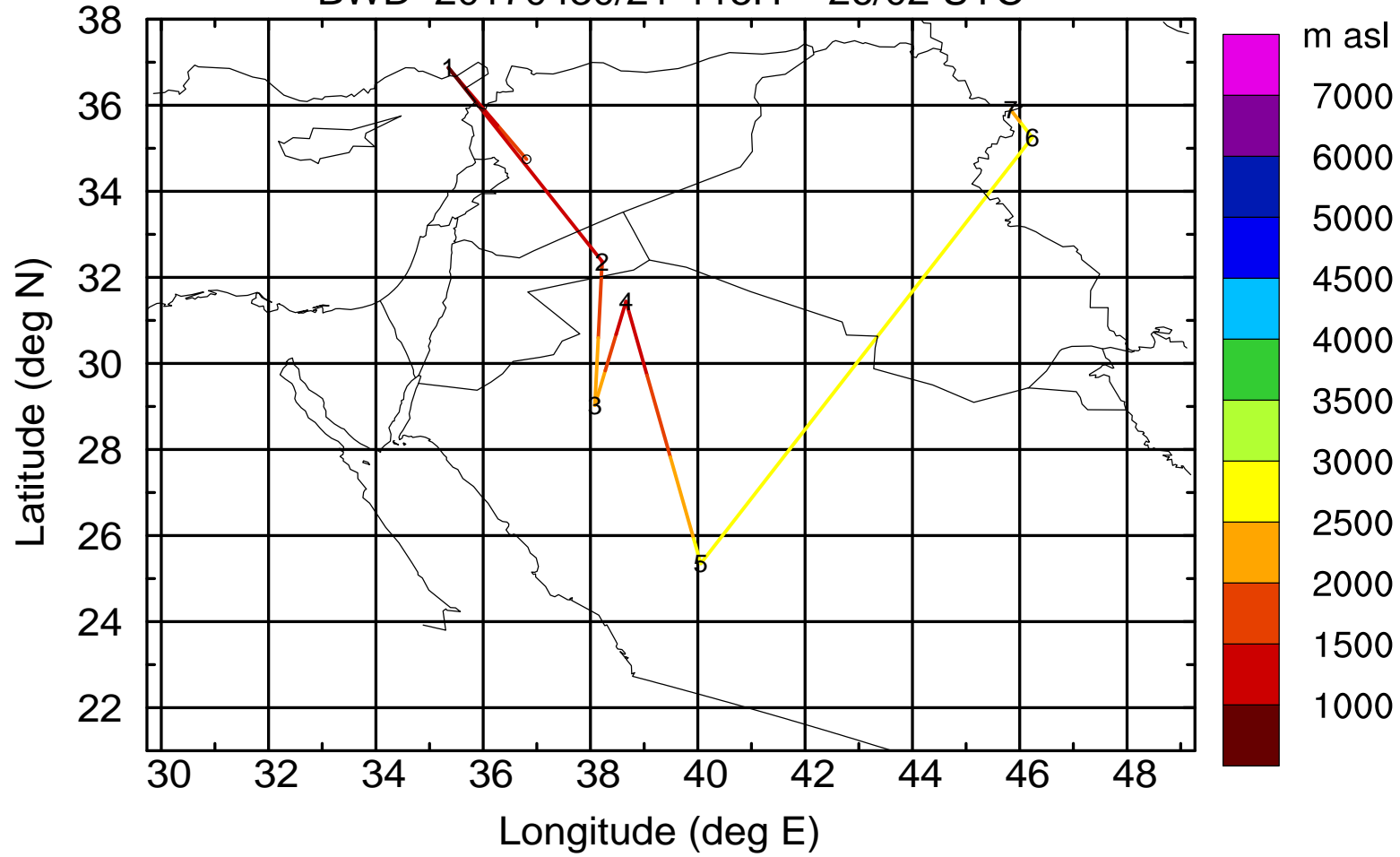
STS ground station 20170430

BWD 20170430/21-114H = 26/03 UTC



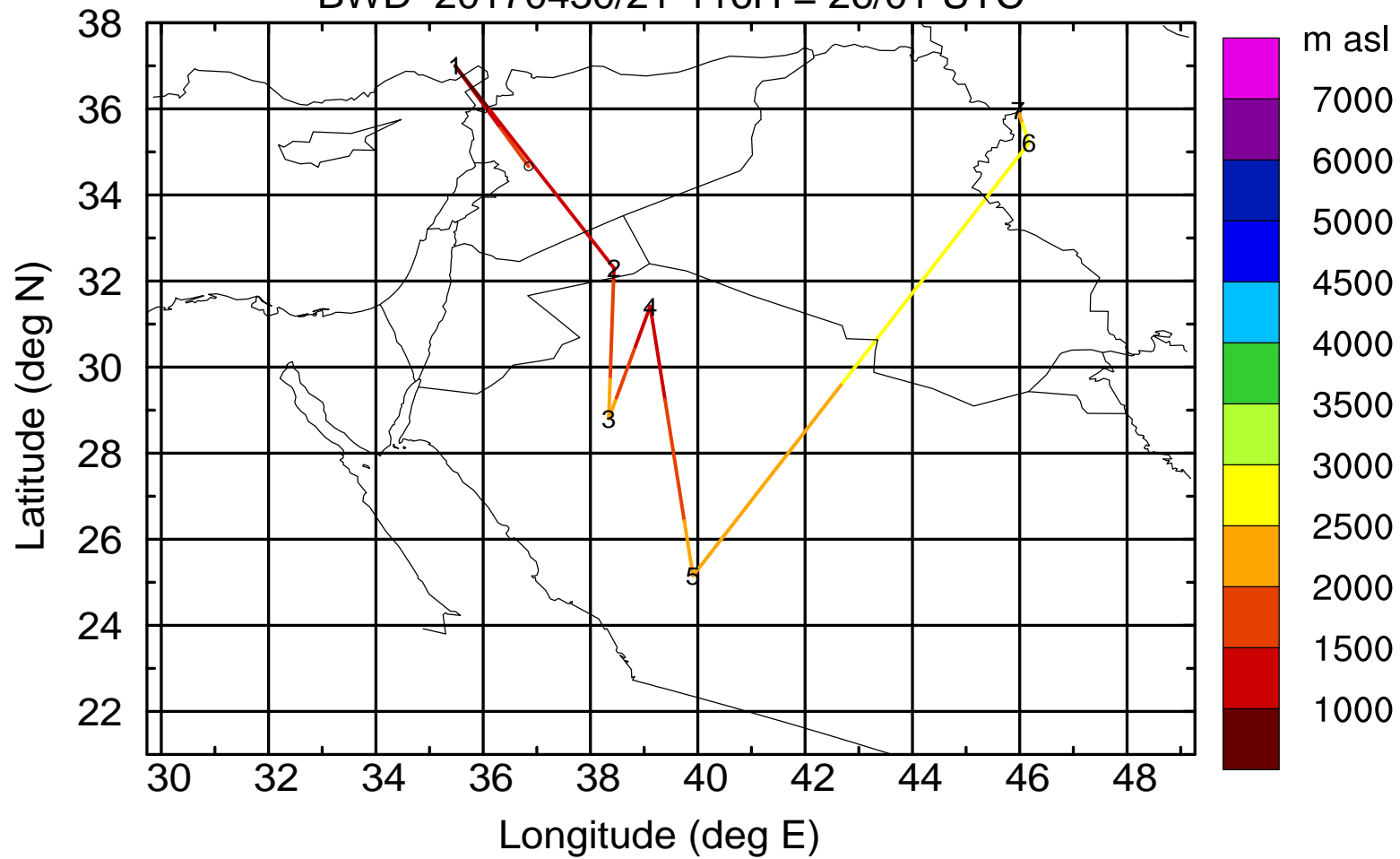
STS ground station 20170430

BWD 20170430/21-115H = 26/02 UTC



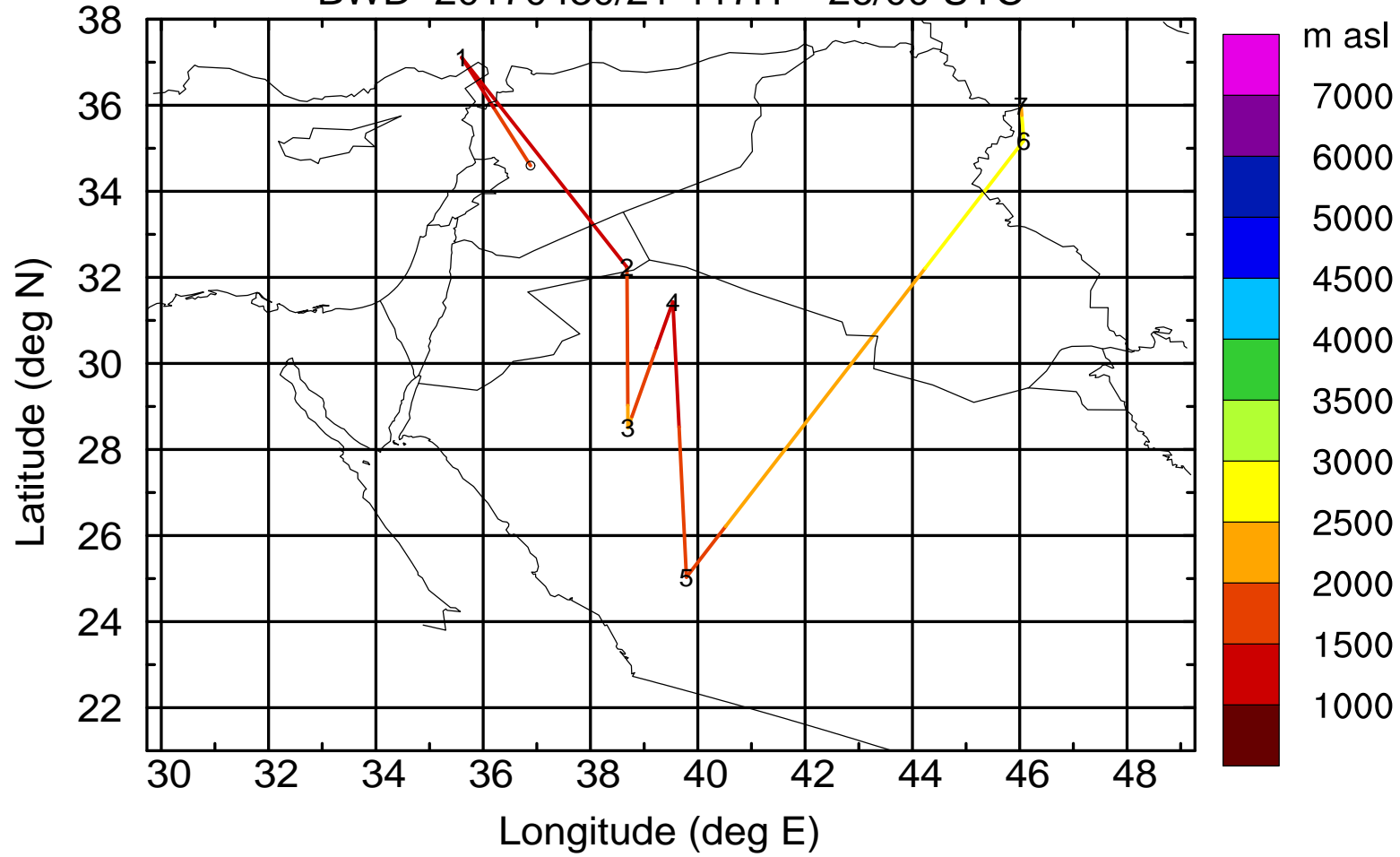
STS ground station 20170430

BWD 20170430/21-116H = 26/01 UTC



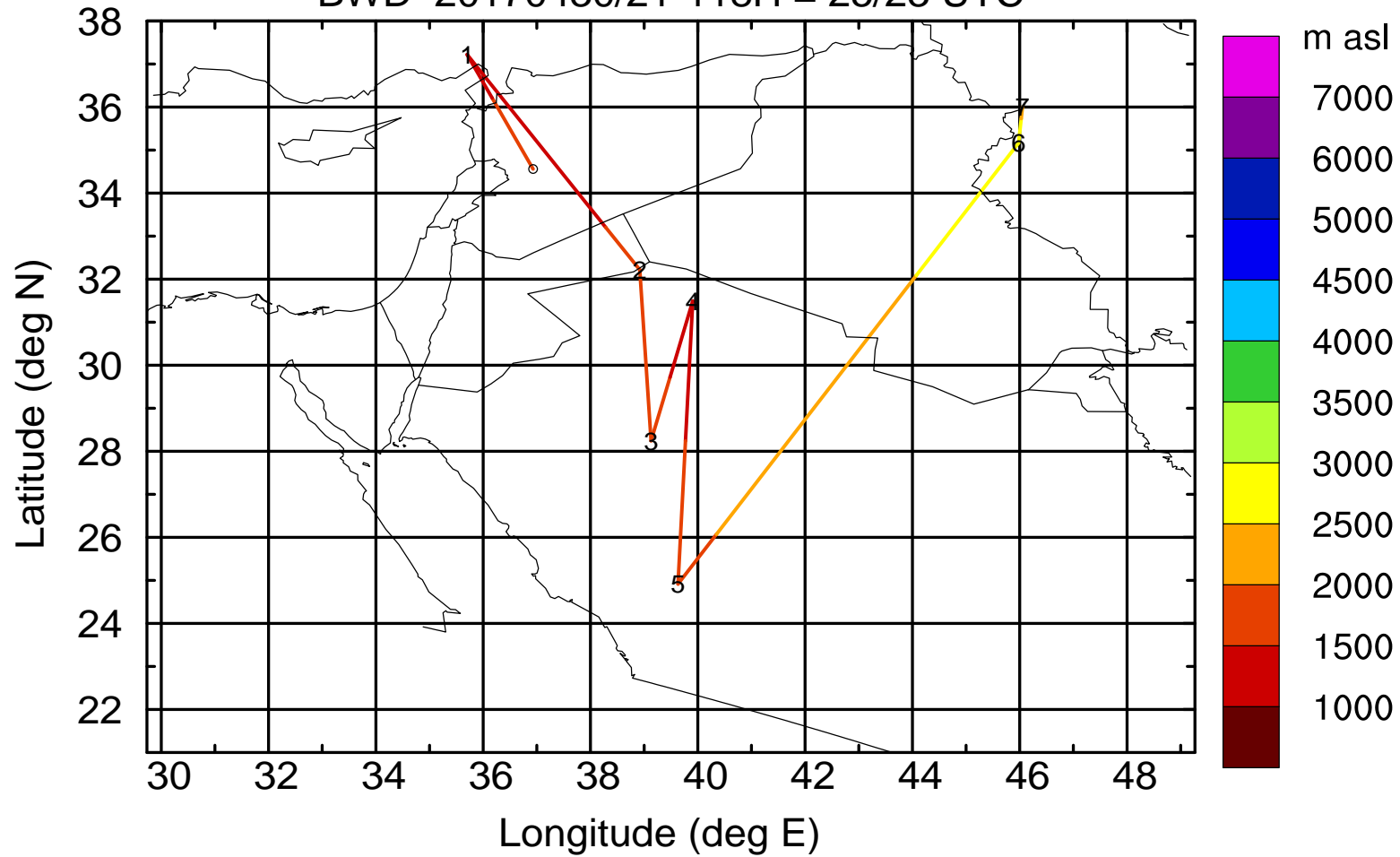
STS ground station 20170430

BWD 20170430/21-117H = 26/00 UTC



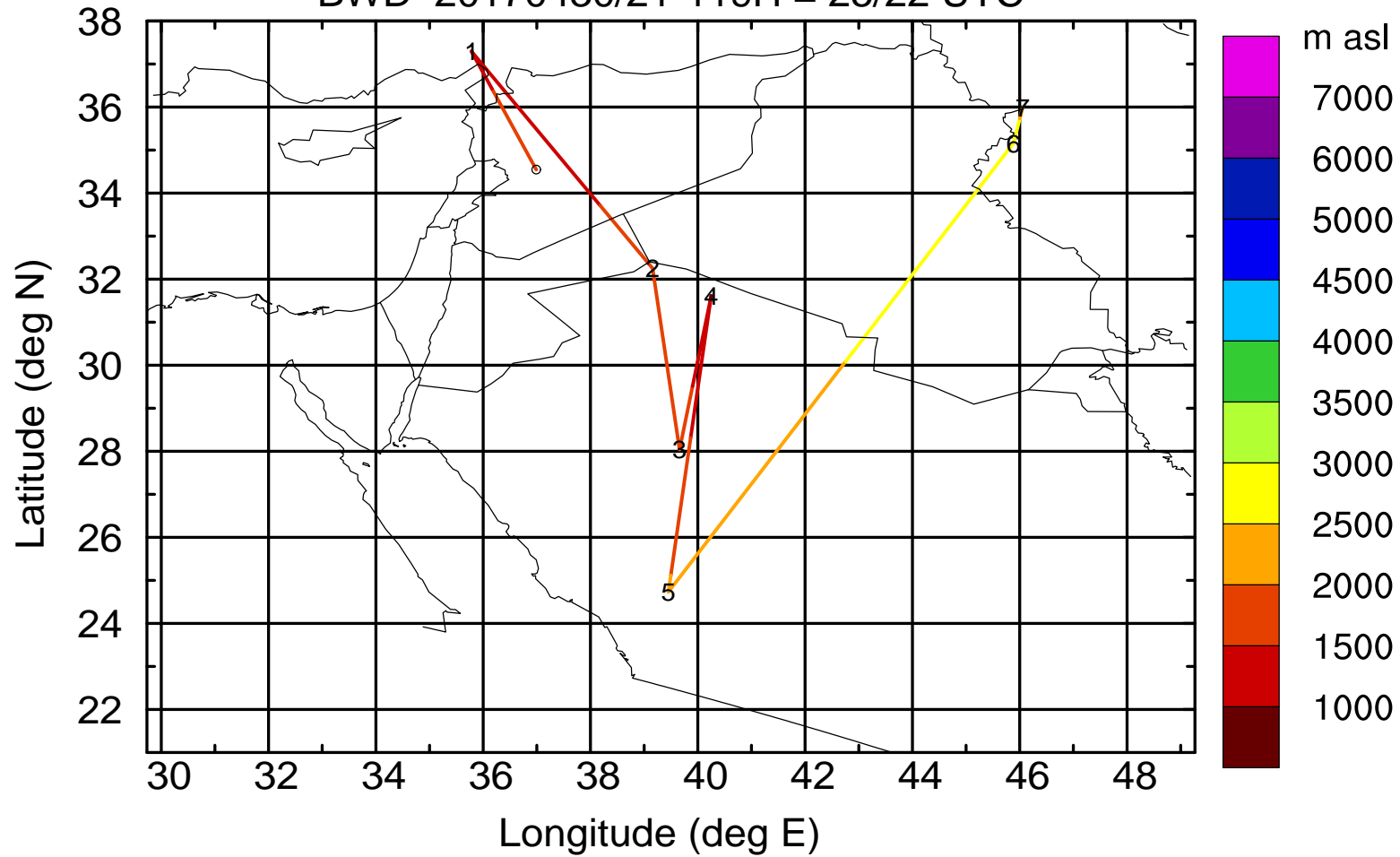
STS ground station 20170430

BWD 20170430/21-118H = 25/23 UTC



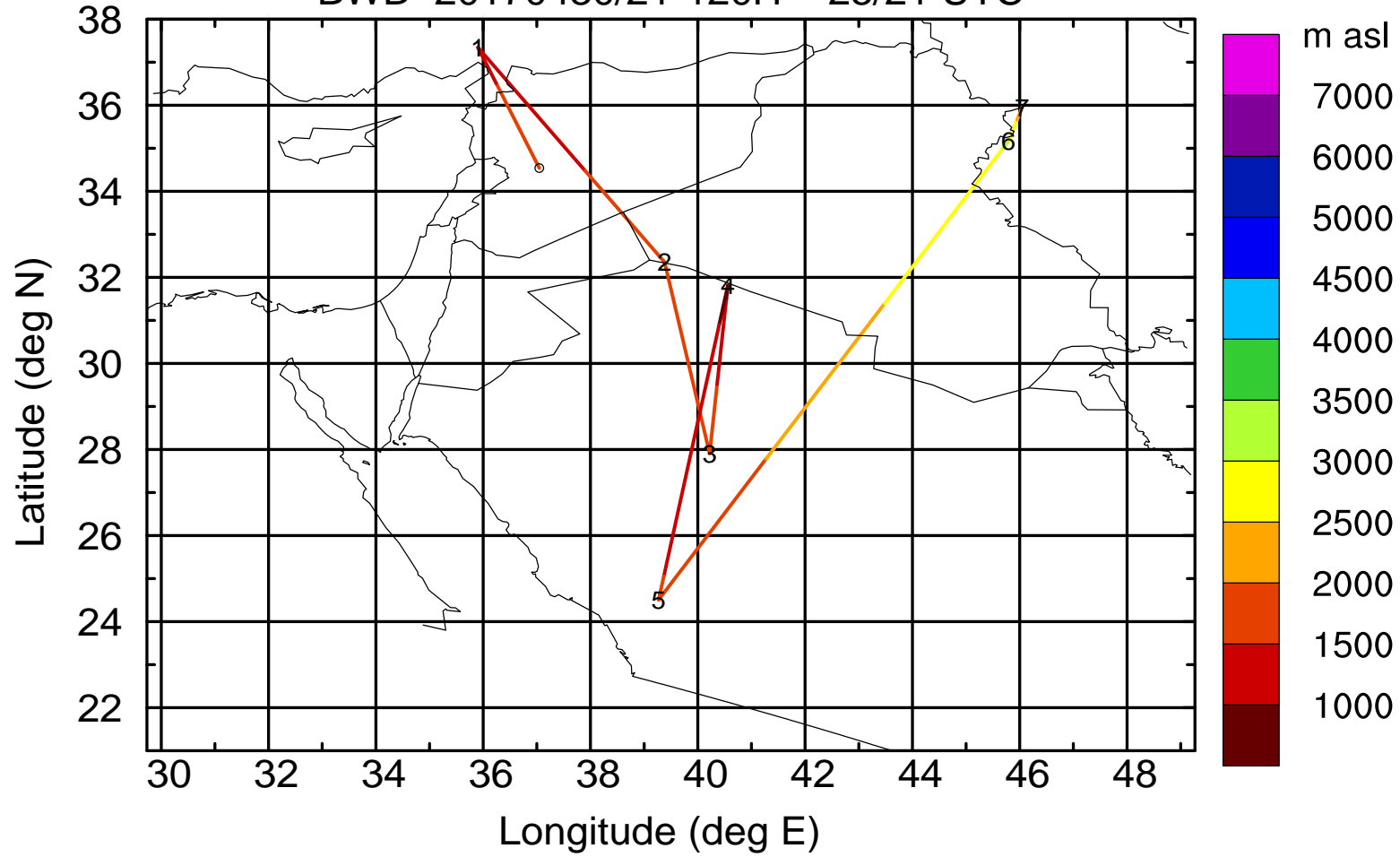
STS ground station 20170430

BWD 20170430/21-119H = 25/22 UTC



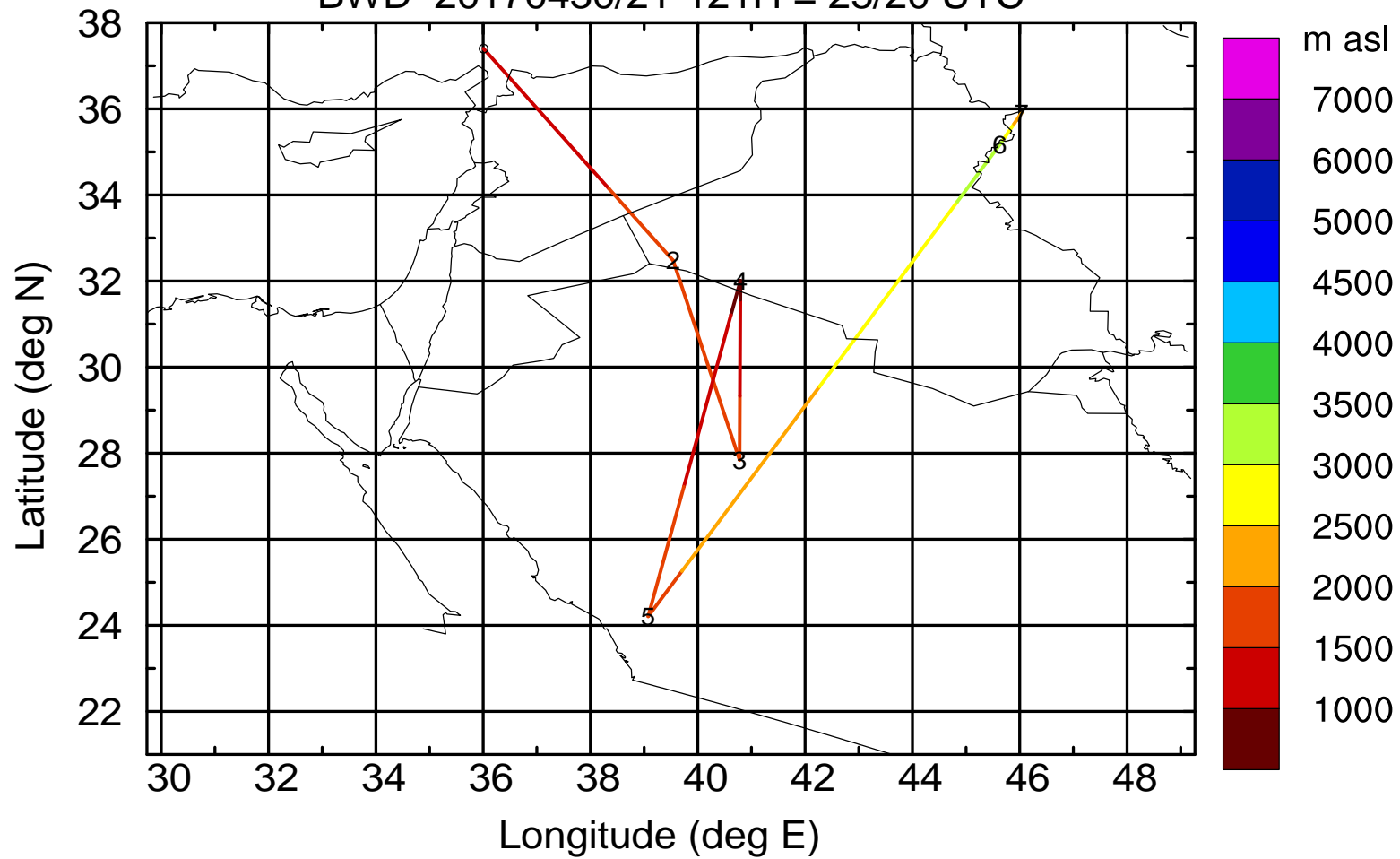
STS ground station 20170430

BWD 20170430/21-120H = 25/21 UTC



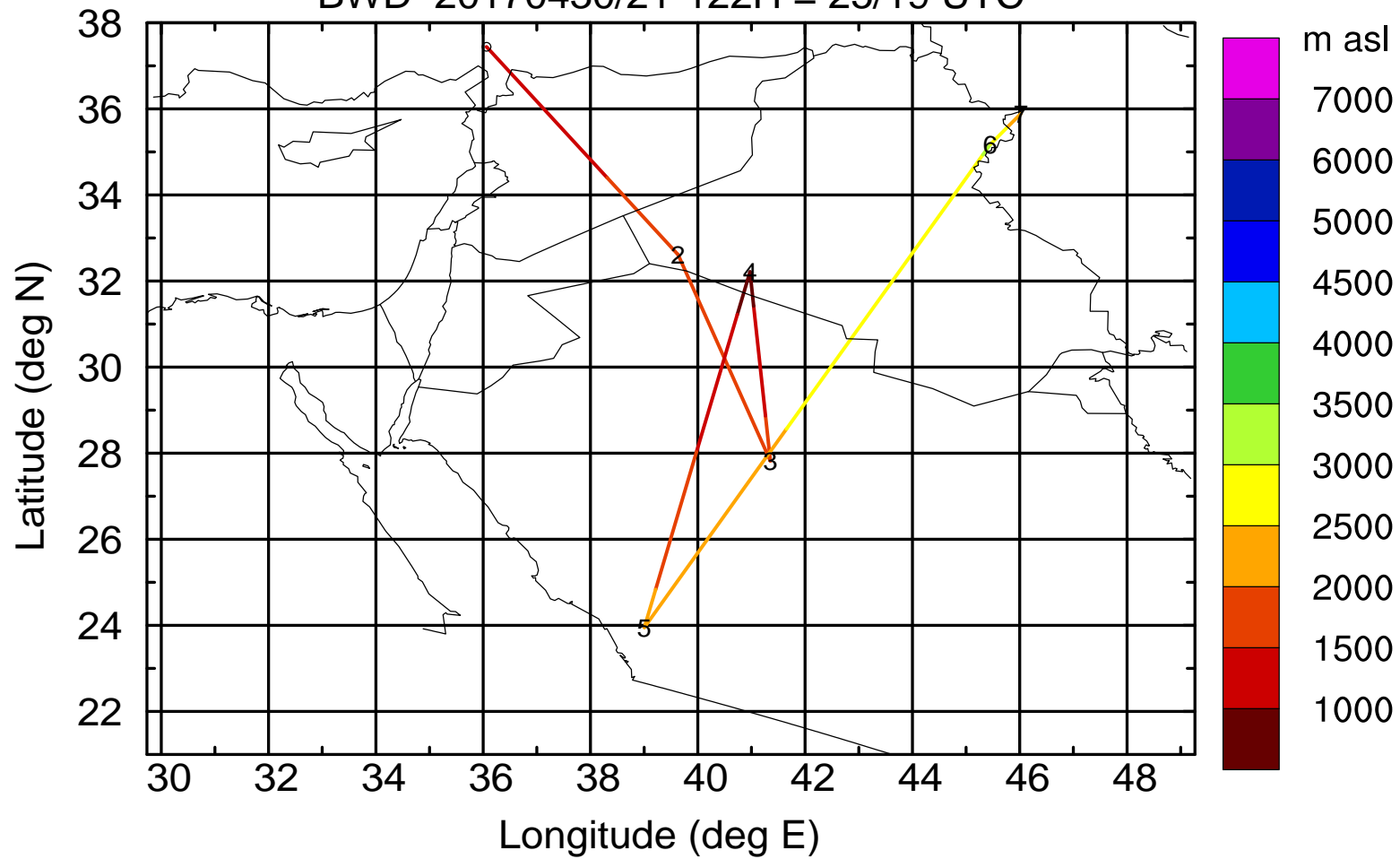
STS ground station 20170430

BWD 20170430/21-121H = 25/20 UTC



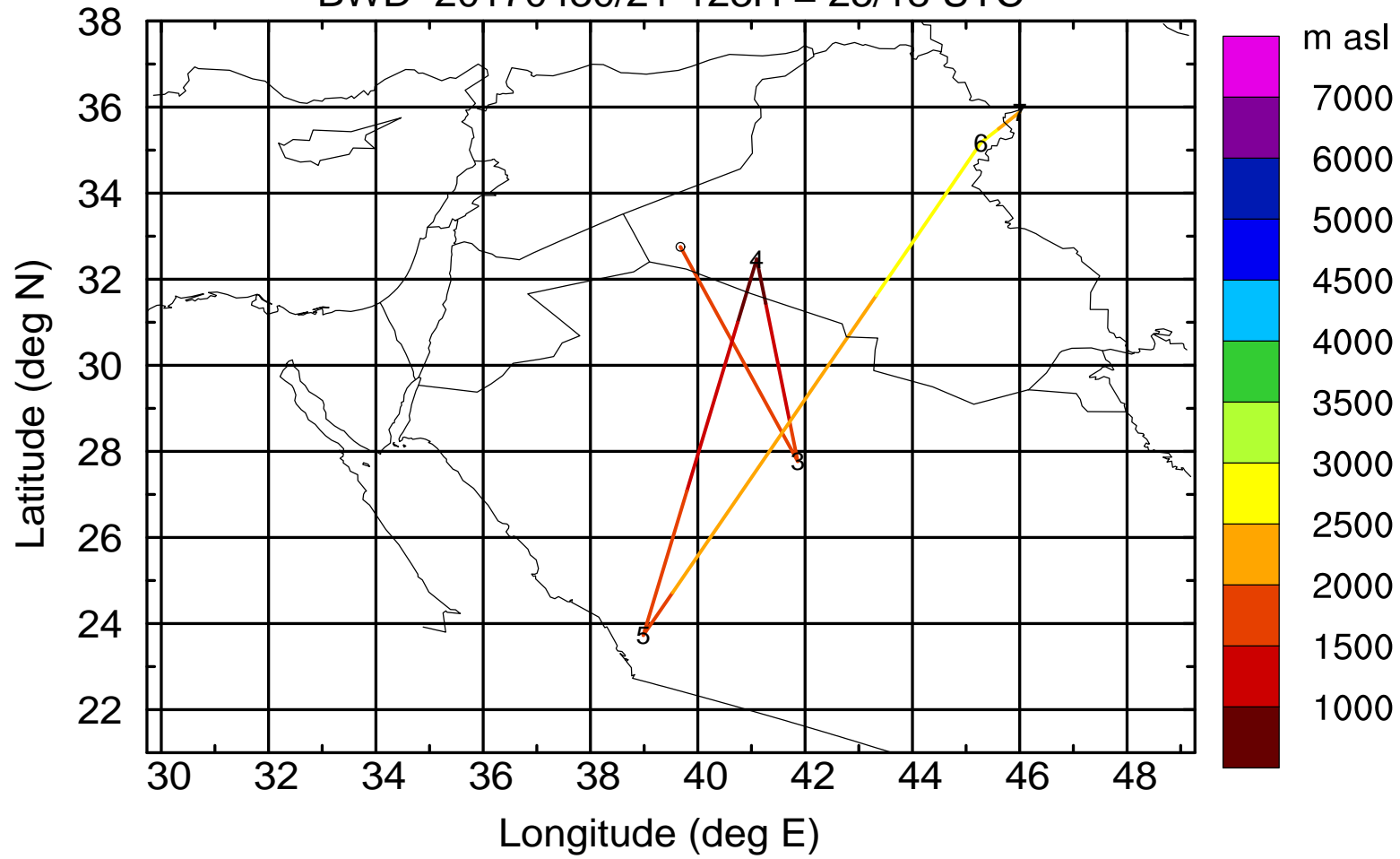
STS ground station 20170430

BWD 20170430/21-122H = 25/19 UTC



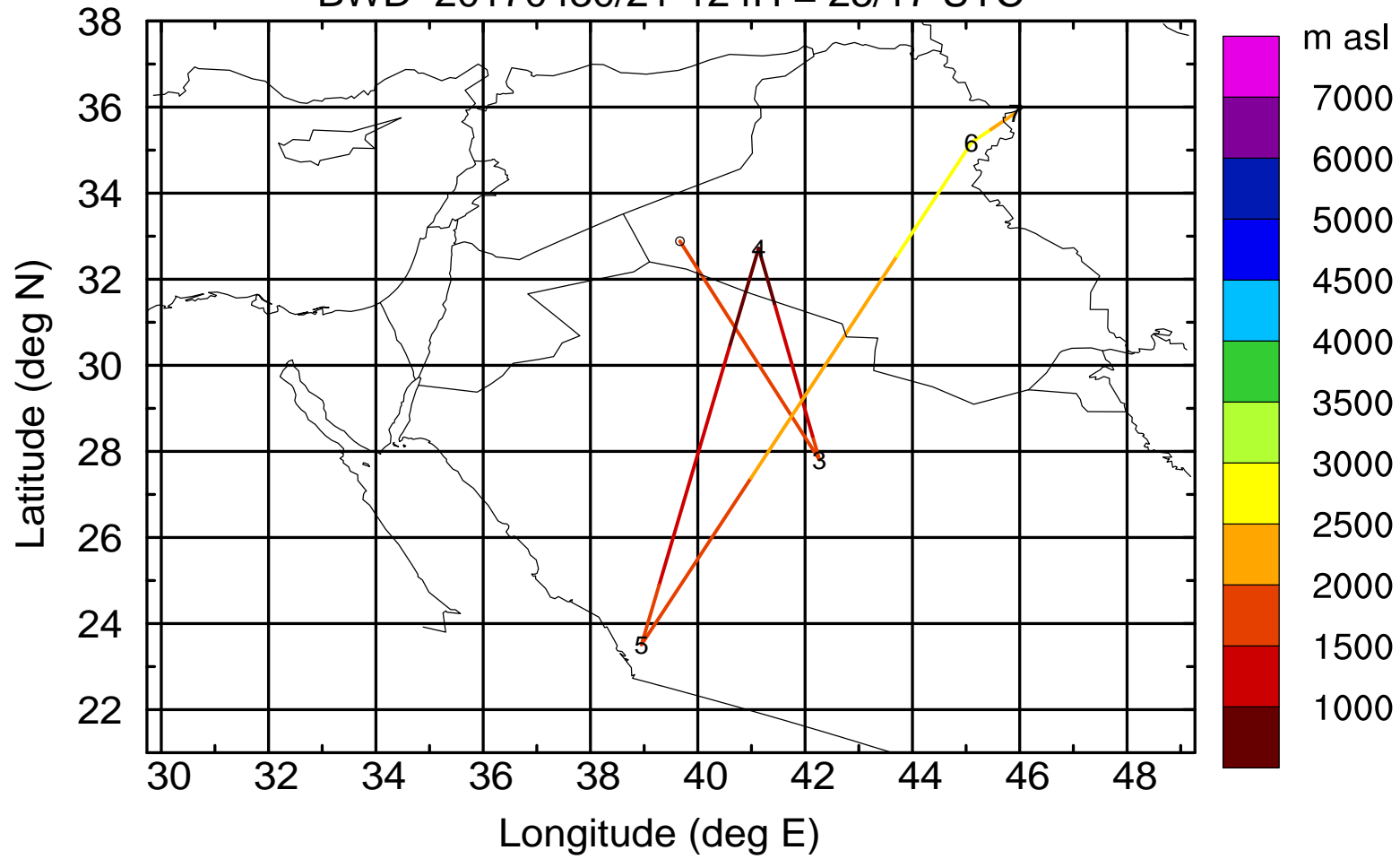
STS ground station 20170430

BWD 20170430/21-123H = 25/18 UTC



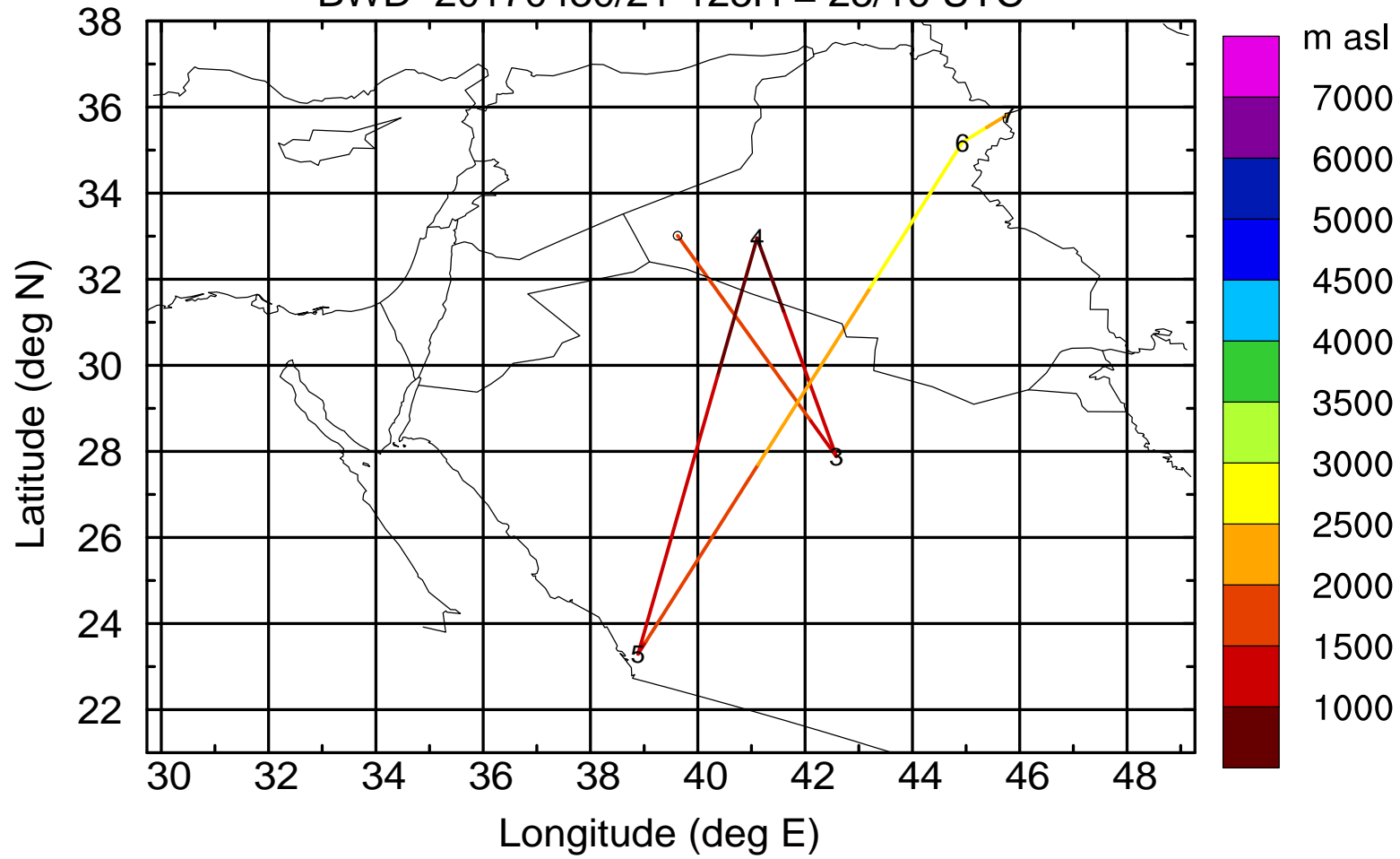
STS ground station 20170430

BWD 20170430/21-124H = 25/17 UTC



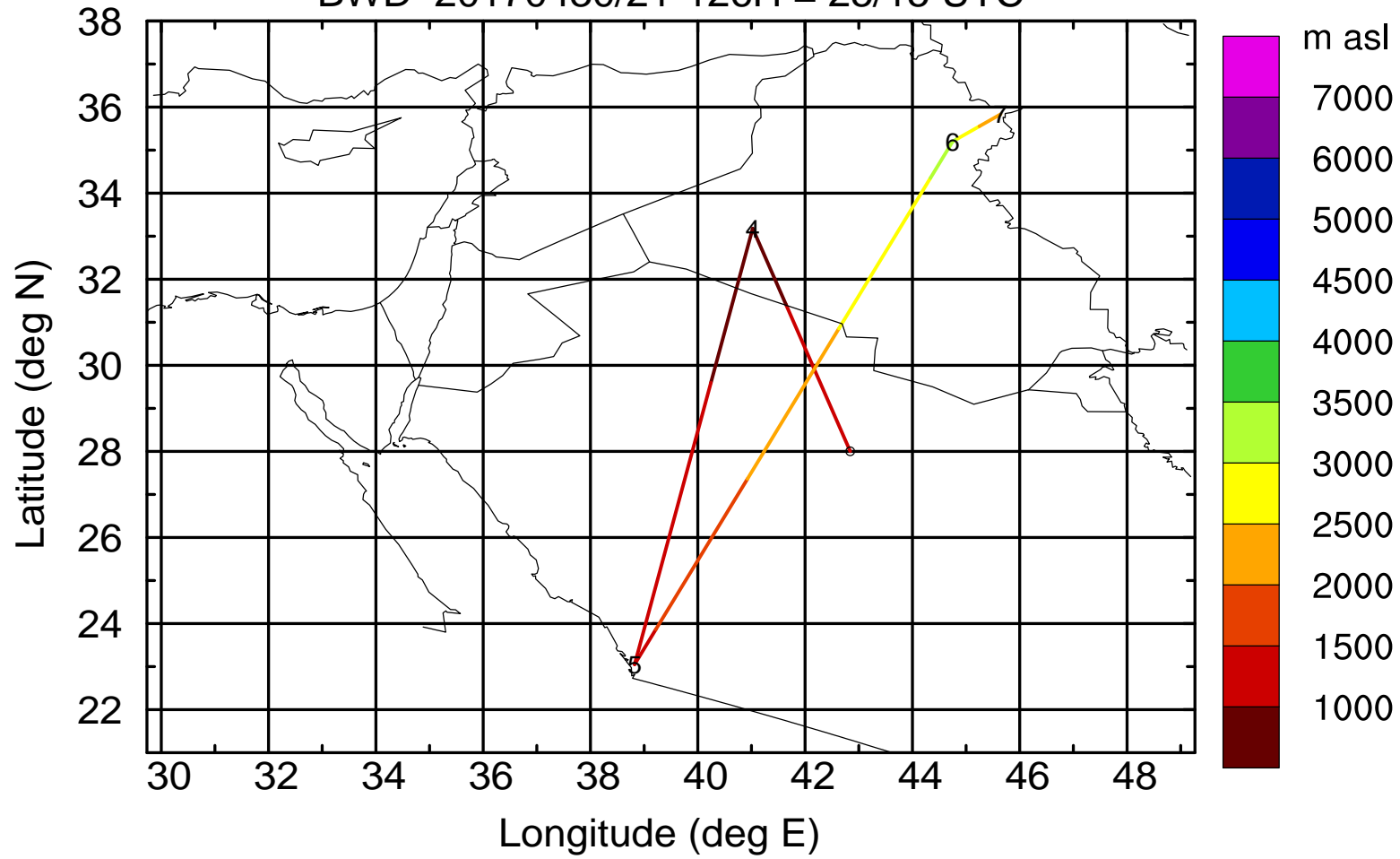
STS ground station 20170430

BWD 20170430/21-125H = 25/16 UTC



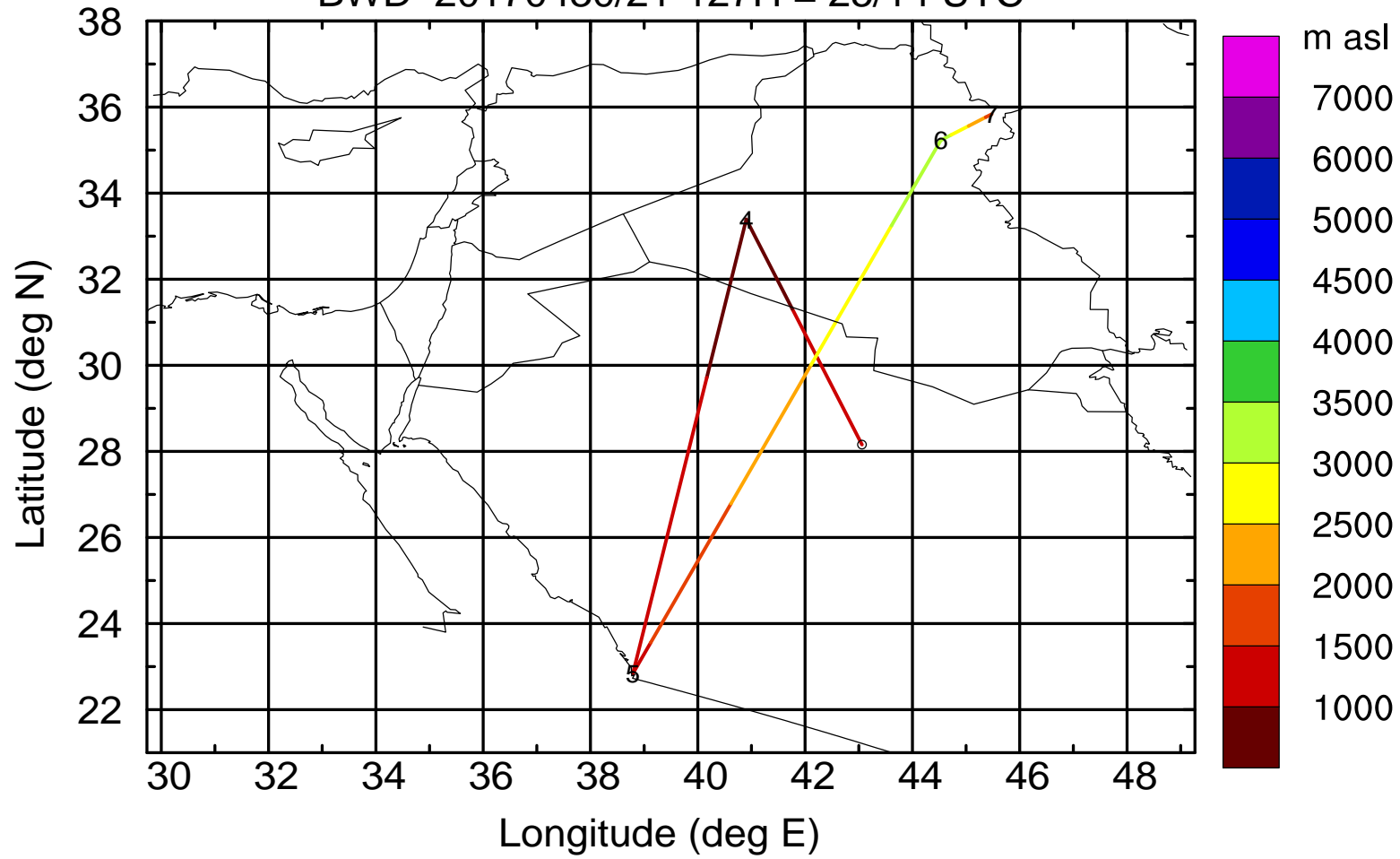
STS ground station 20170430

BWD 20170430/21-126H = 25/15 UTC



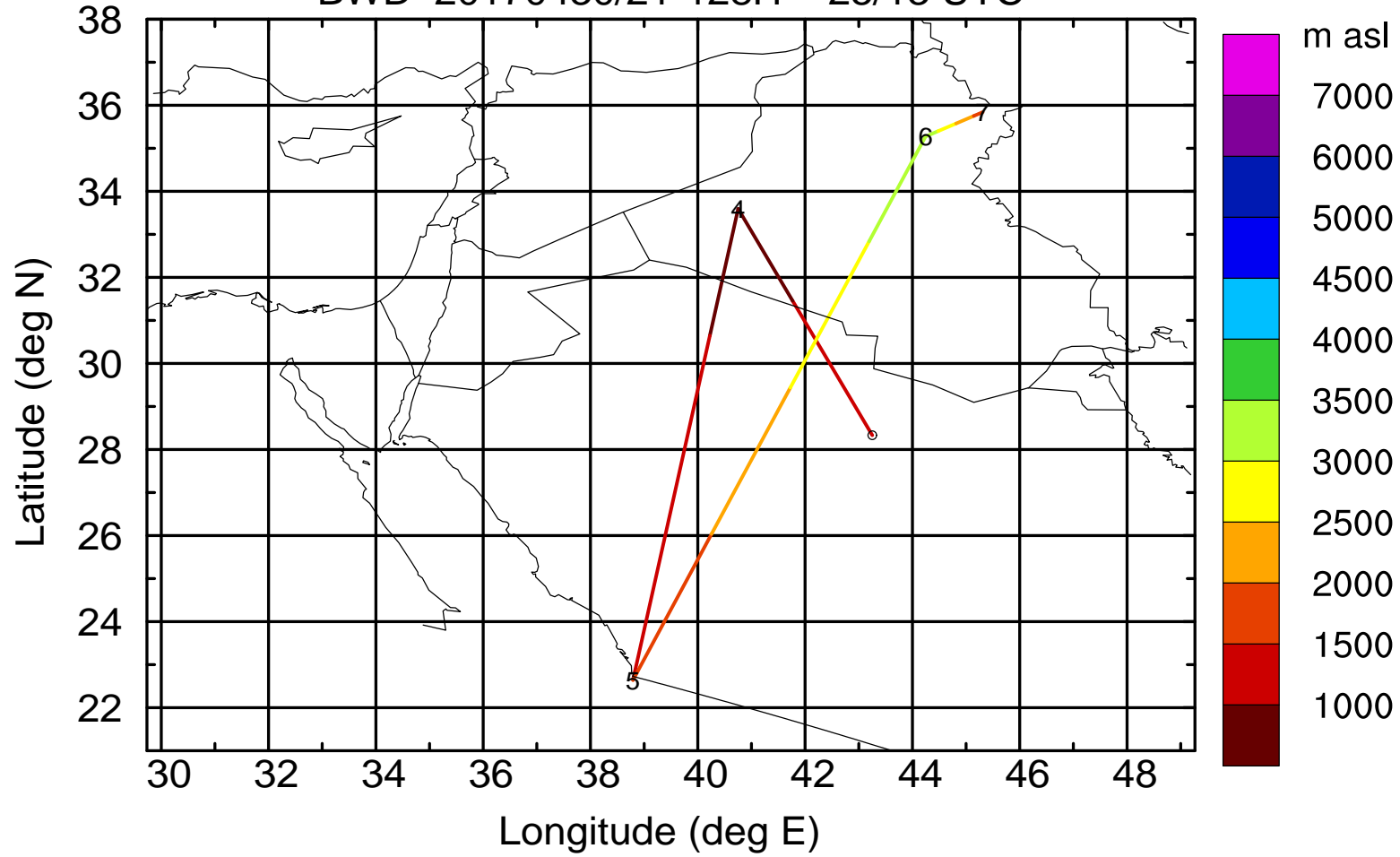
STS ground station 20170430

BWD 20170430/21-127H = 25/14 UTC



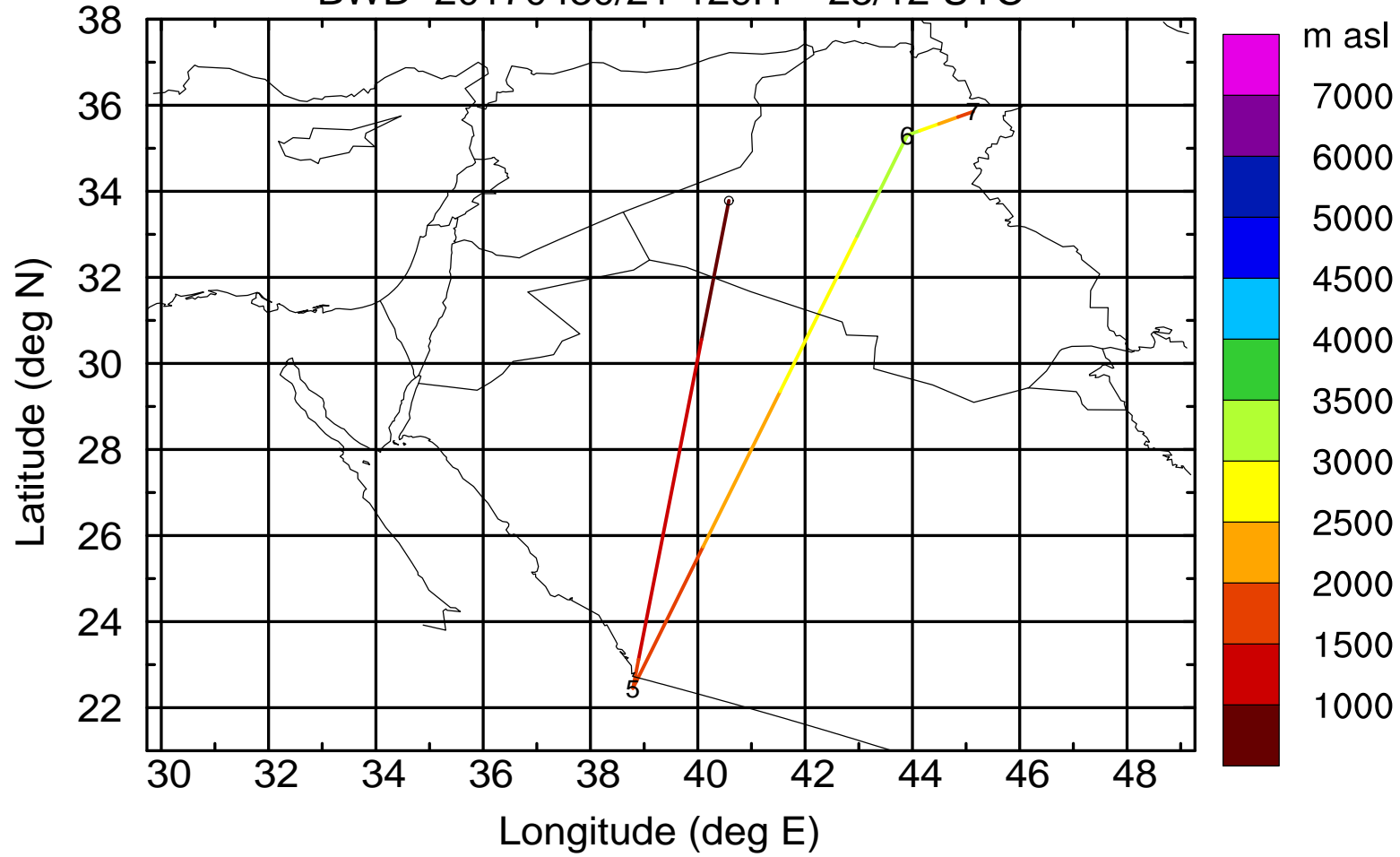
STS ground station 20170430

BWD 20170430/21-128H = 25/13 UTC



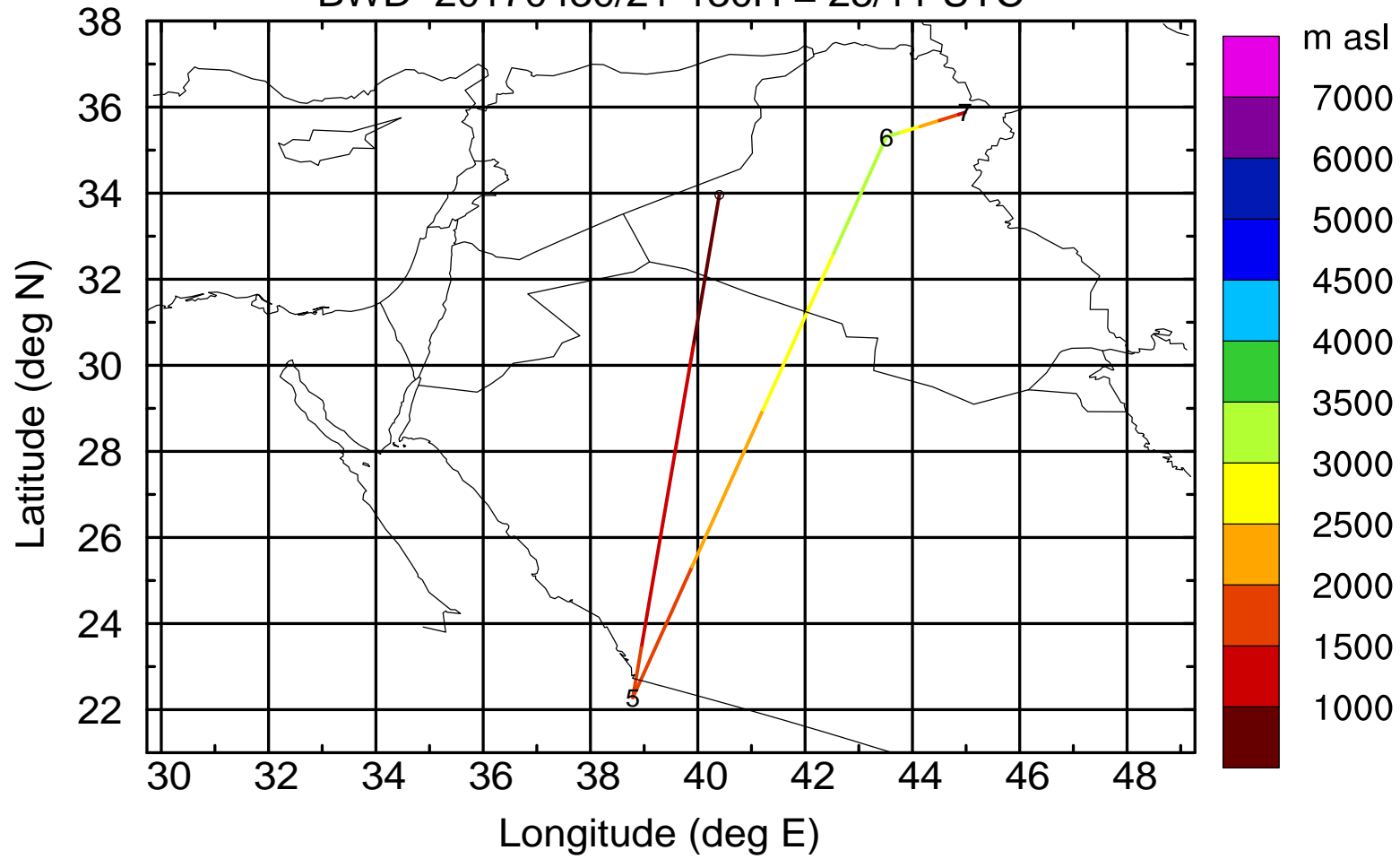
STS ground station 20170430

BWD 20170430/21-129H = 25/12 UTC



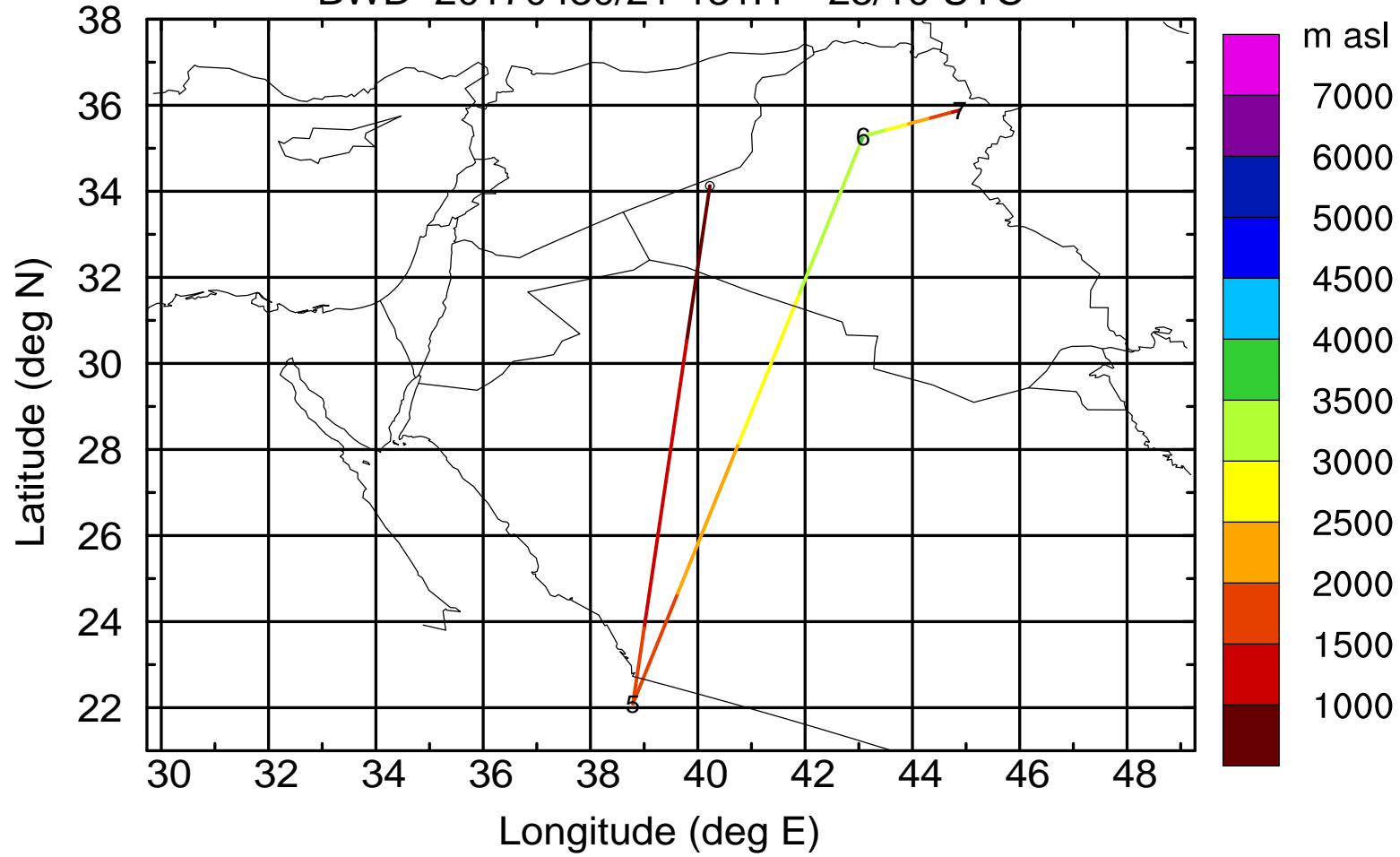
STS ground station 20170430

BWD 20170430/21-130H = 25/11 UTC



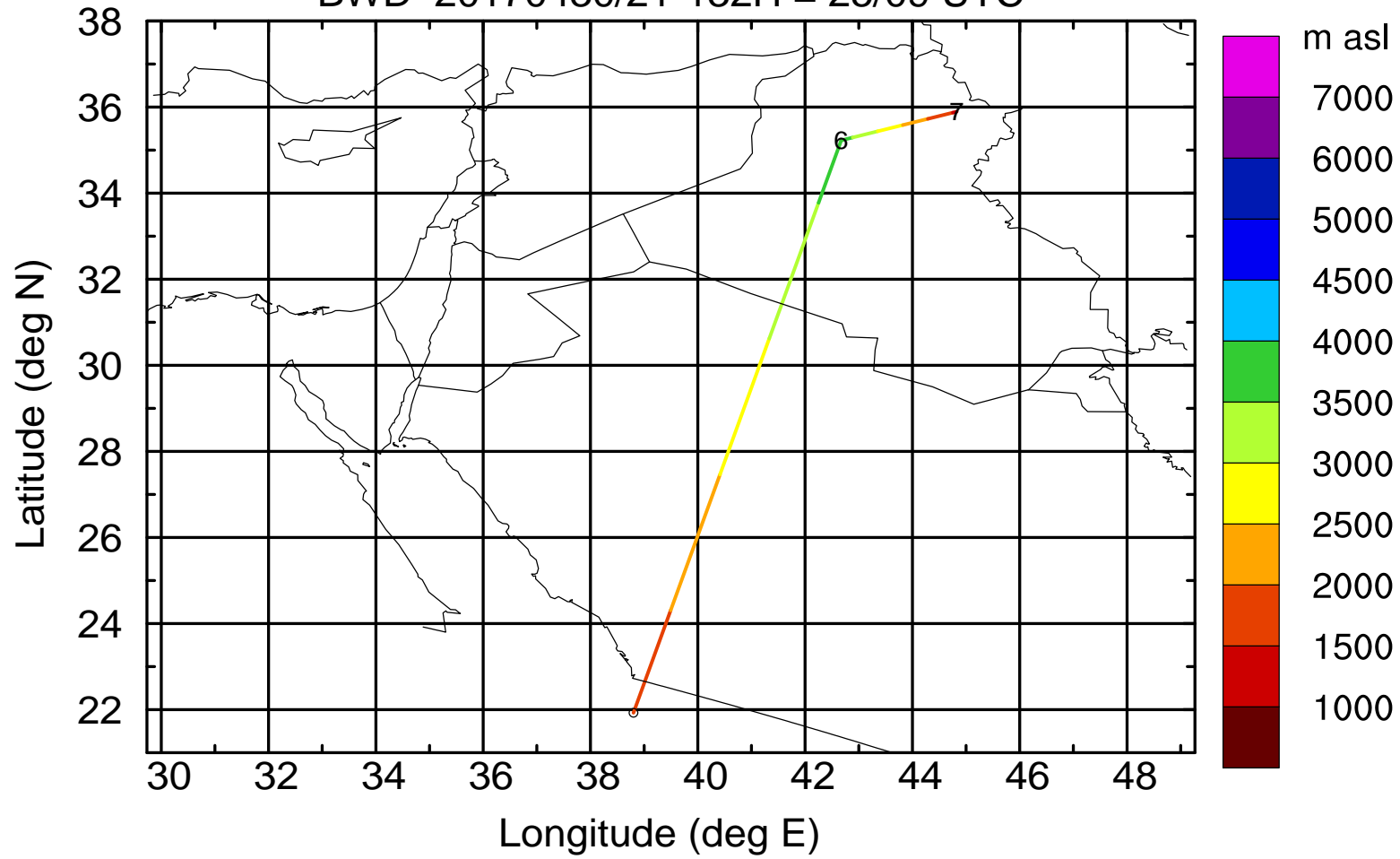
STS ground station 20170430

BWD 20170430/21-131H = 25/10 UTC



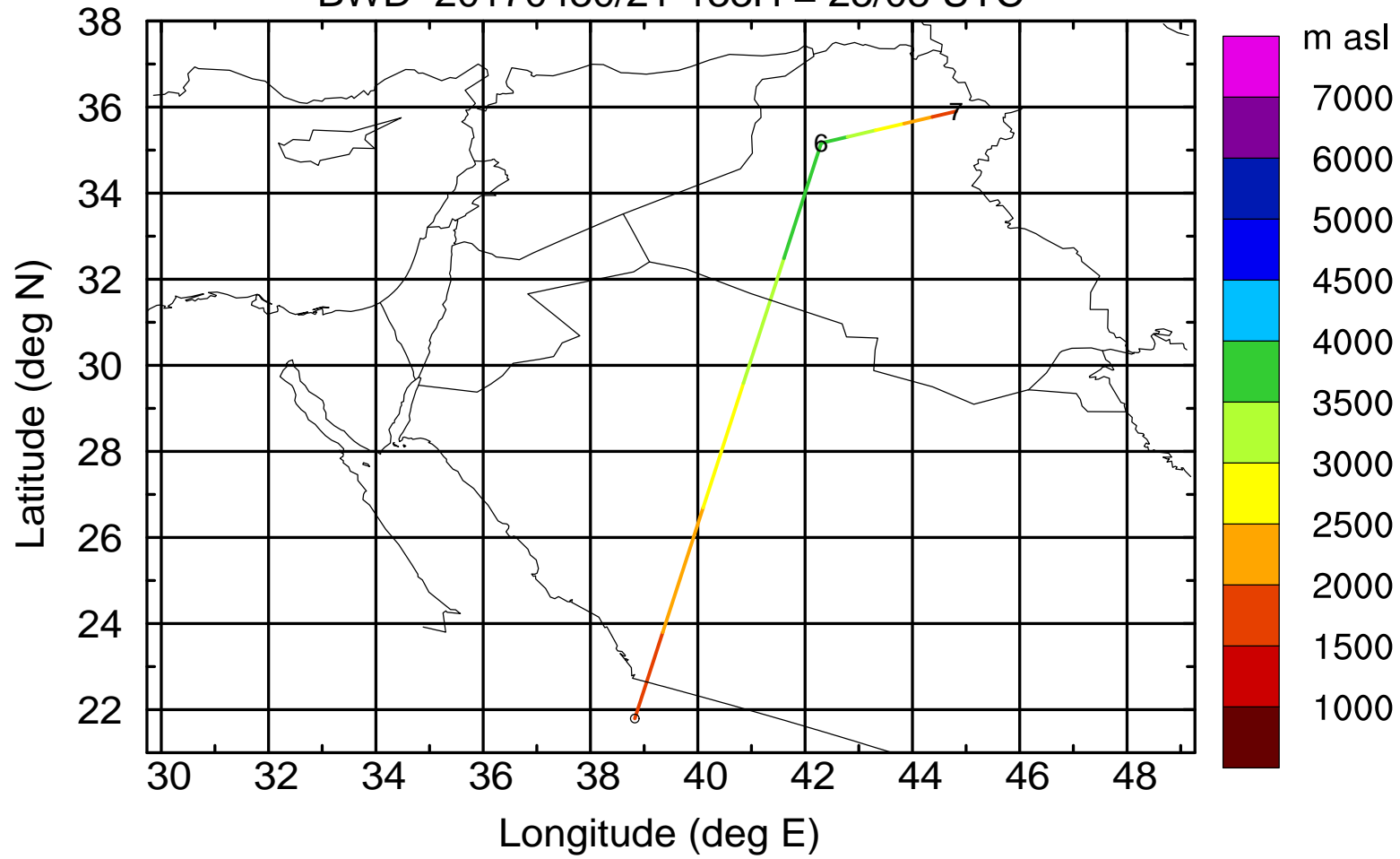
STS ground station 20170430

BWD 20170430/21-132H = 25/09 UTC



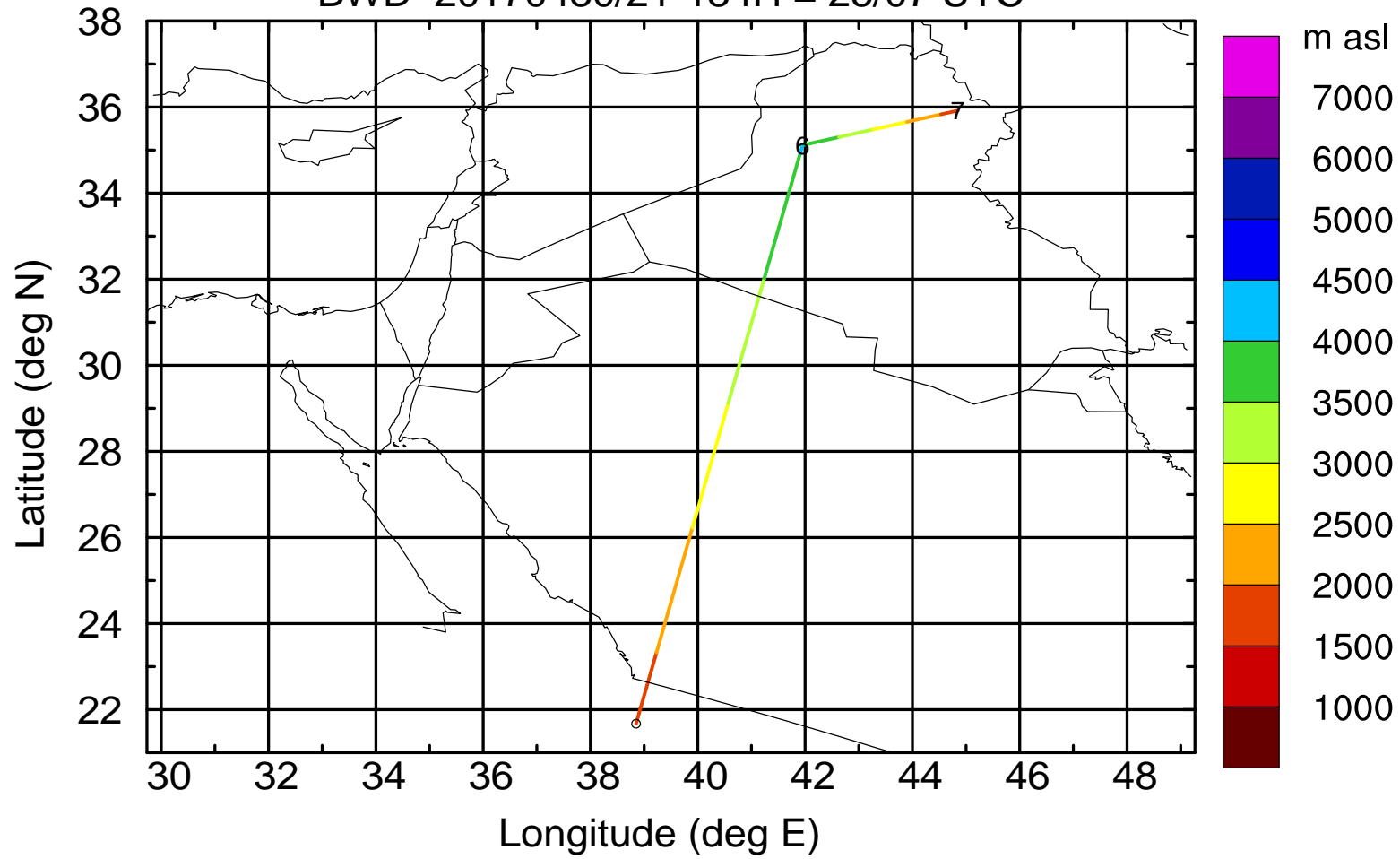
STS ground station 20170430

BWD 20170430/21-133H = 25/08 UTC



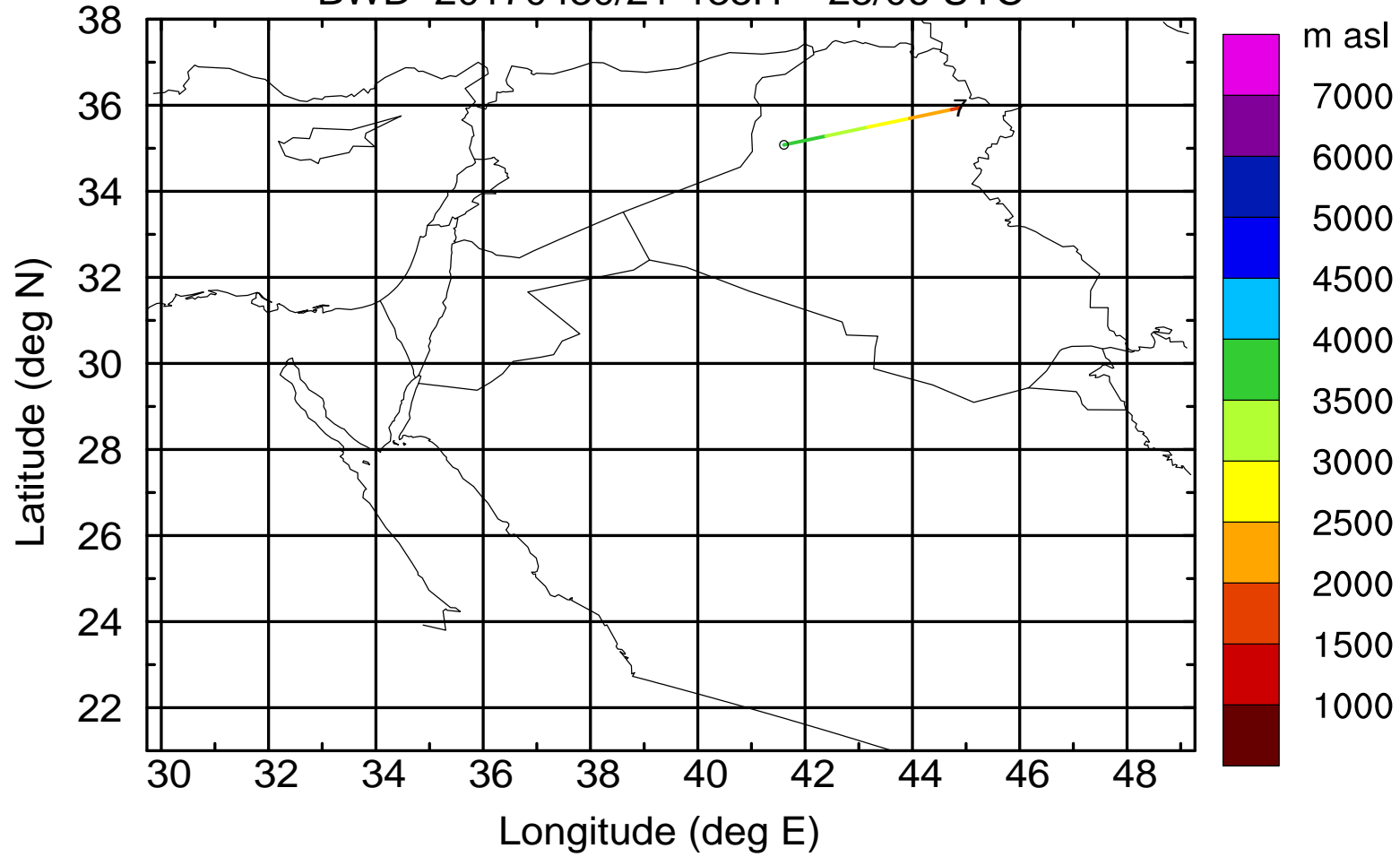
STS ground station 20170430

BWD 20170430/21-134H = 25/07 UTC



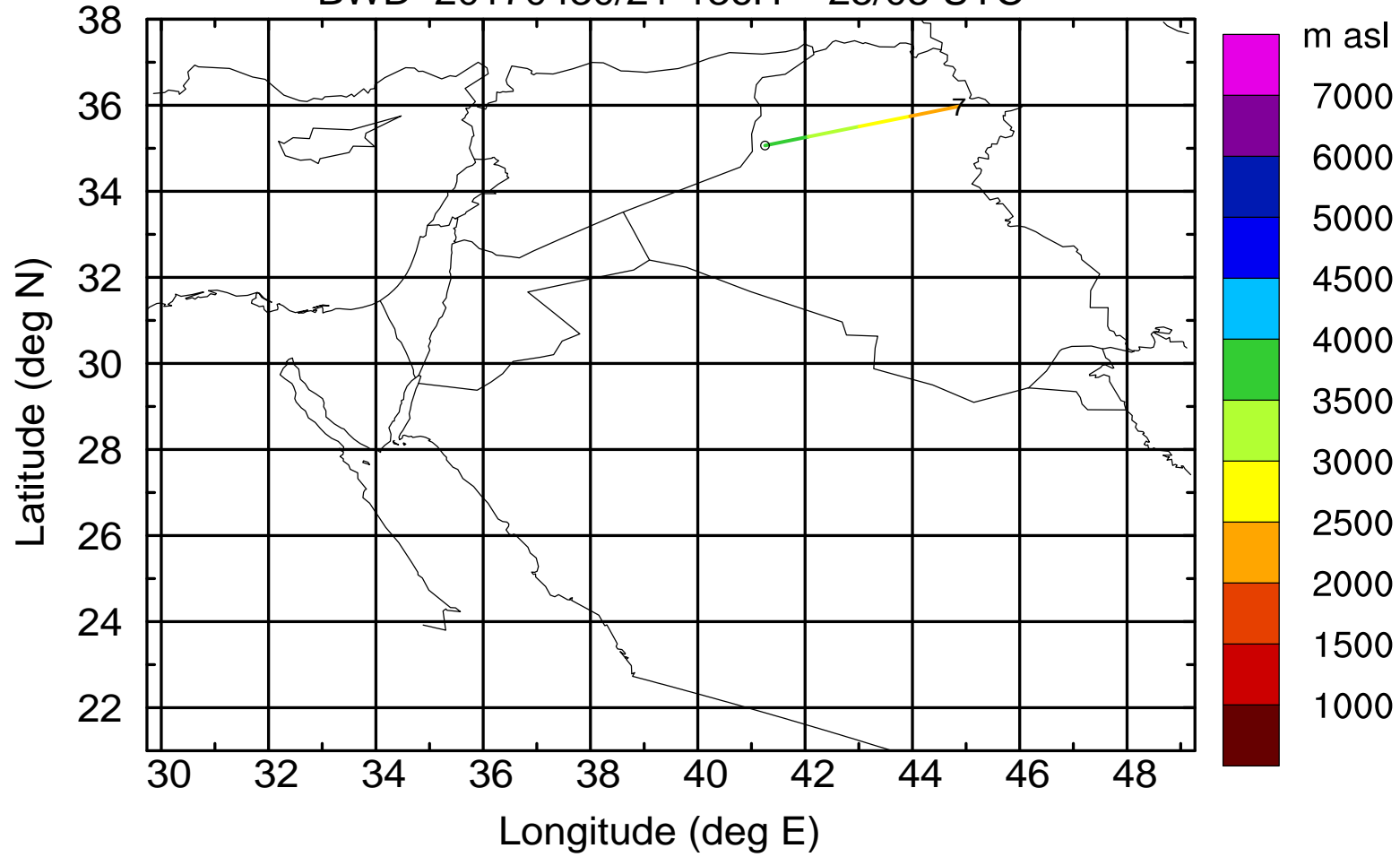
STS ground station 20170430

BWD 20170430/21-135H = 25/06 UTC



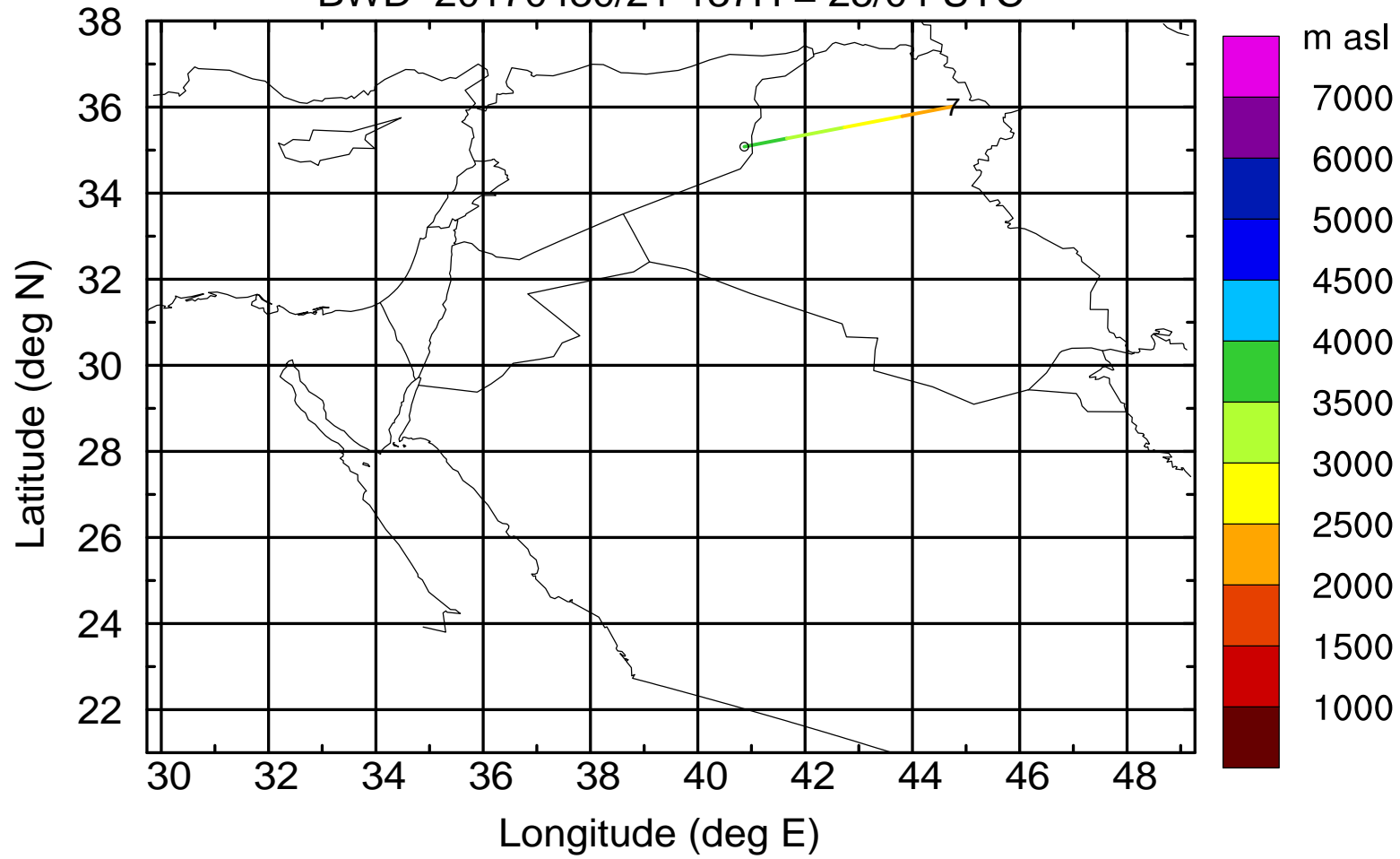
STS ground station 20170430

BWD 20170430/21-136H = 25/05 UTC



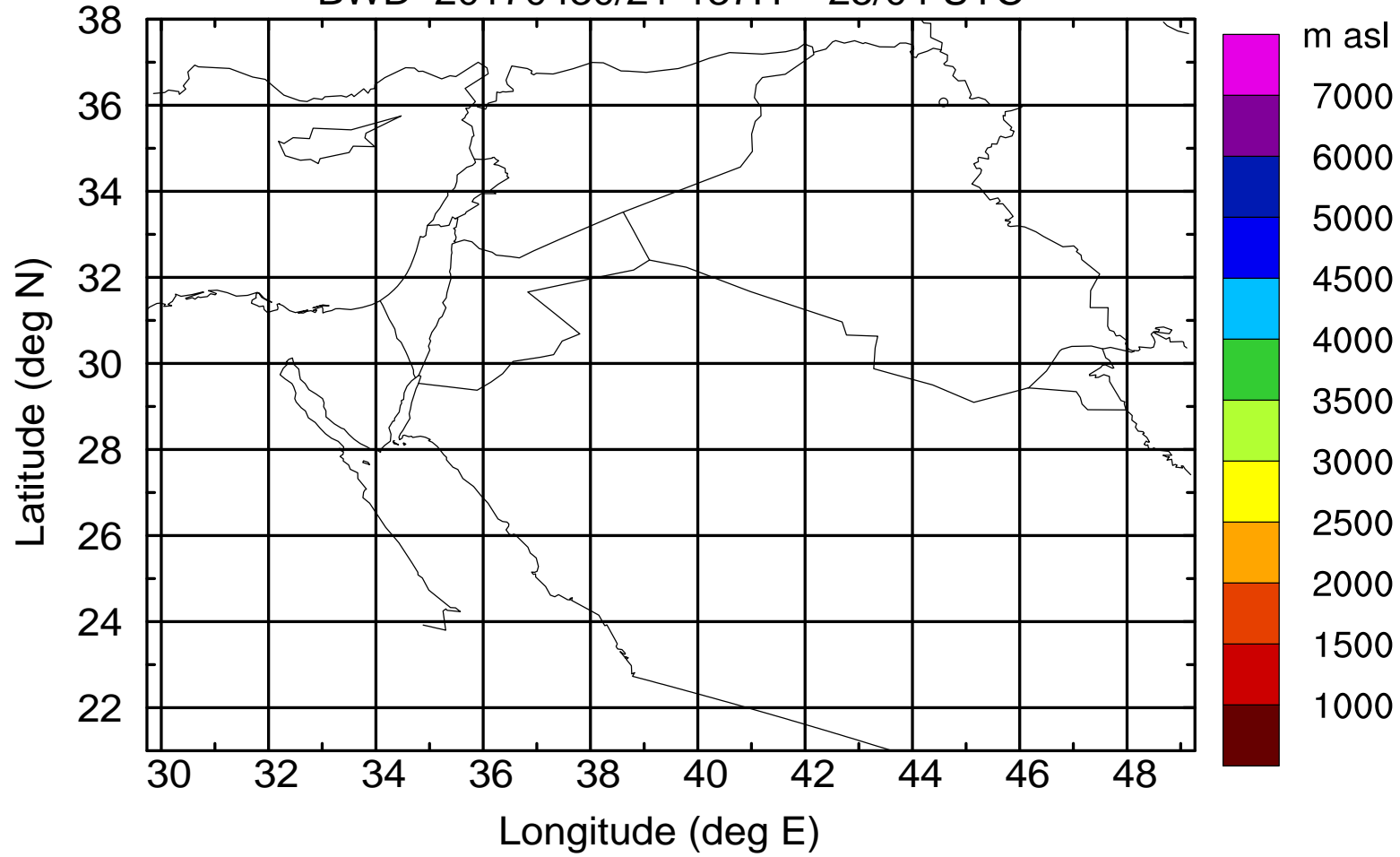
STS ground station 20170430

BWD 20170430/21-137H = 25/04 UTC



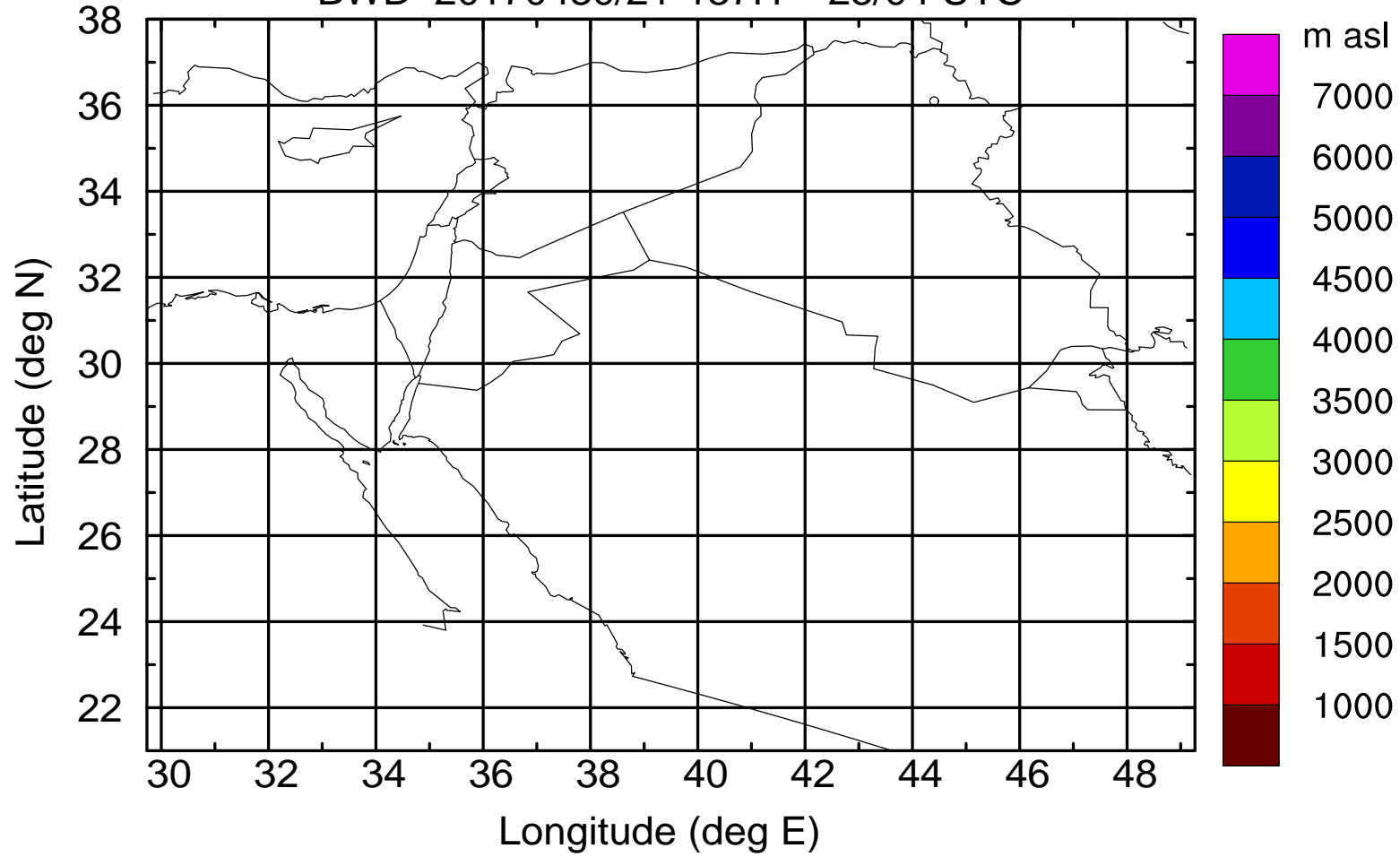
STS ground station 20170430

BWD 20170430/21-137H = 25/04 UTC



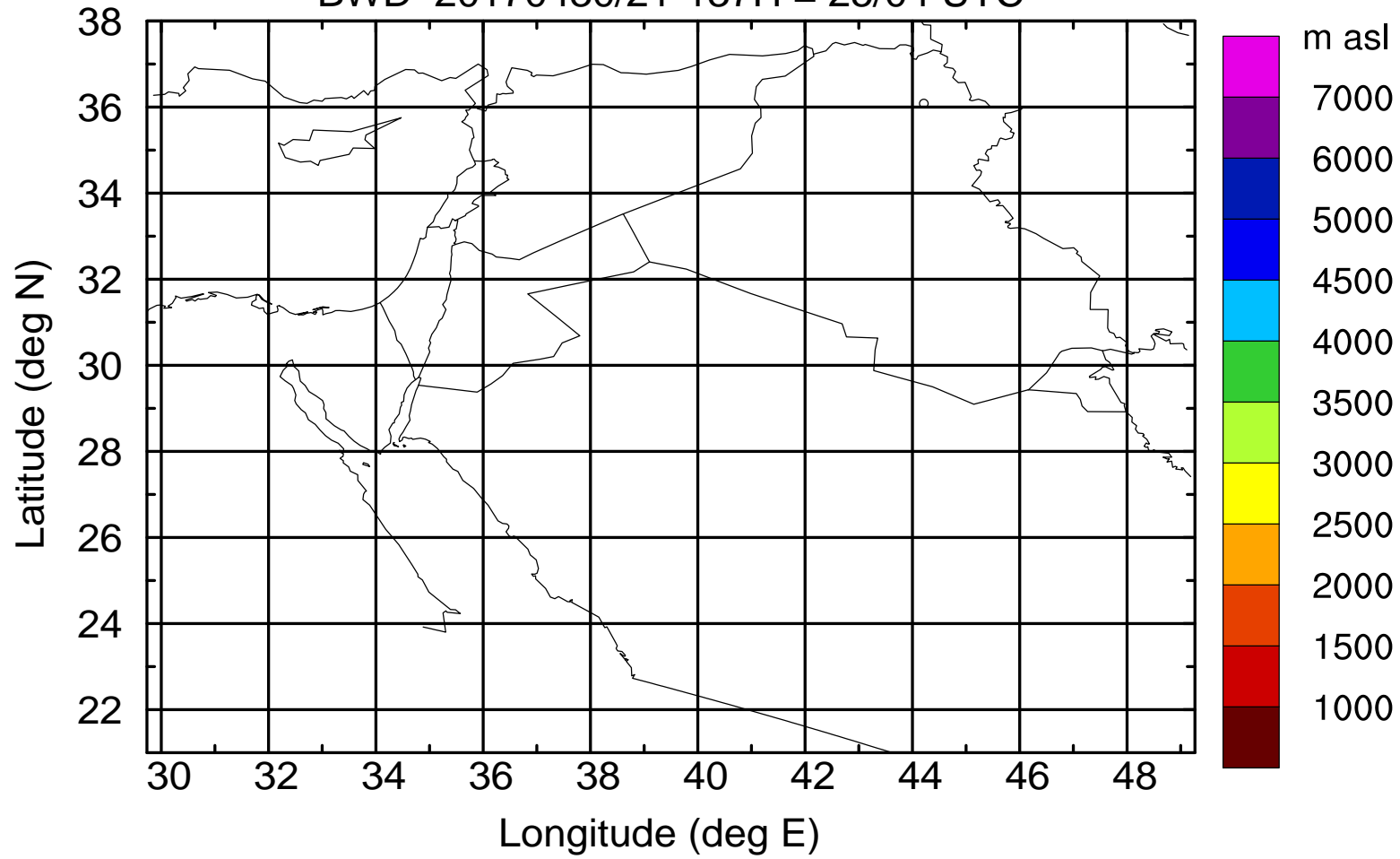
STS ground station 20170430

BWD 20170430/21-137H = 25/04 UTC



STS ground station 20170430

BWD 20170430/21-137H = 25/04 UTC



STS ground station 20170430

BWD 20170430/21-137H = 25/04 UTC

