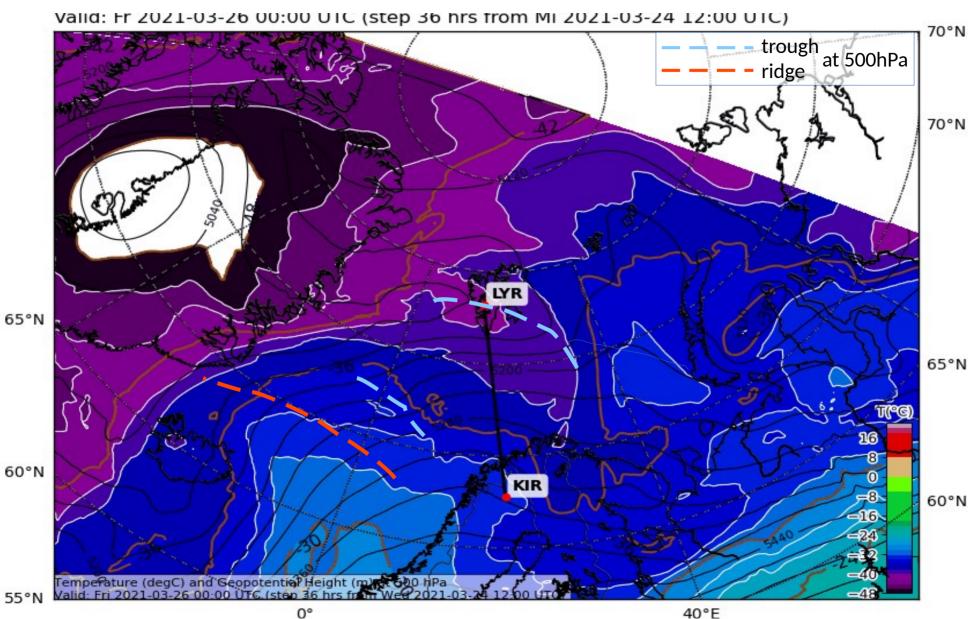
Weather briefing HALO-(AC)³

Thursday, 25 March 2021 – 08 UTC

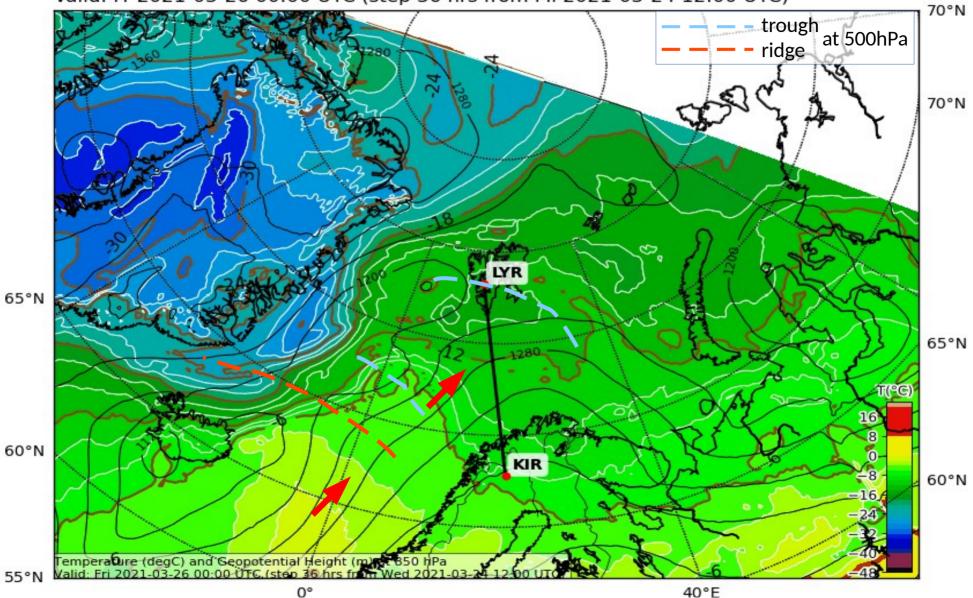
Friday, 26 March 2021



500 hPa: Temperature (°C) & Geopotential (gpm) from ECMWF: Fri., 26/03, 00 UTC

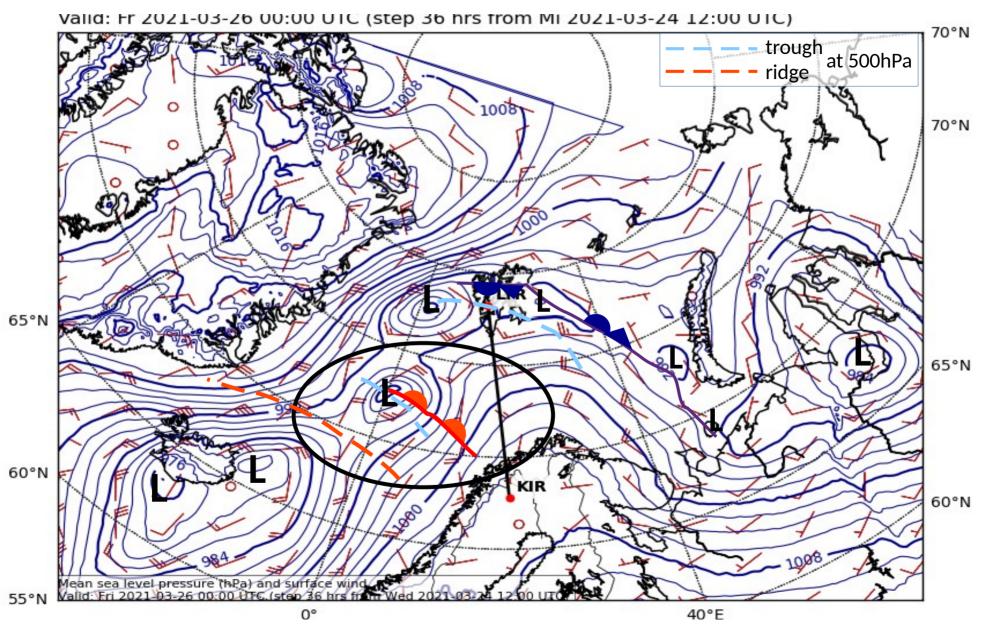
850 hPa: Temperature (°C) & Geopotential (gpm) from ECMWF: Fri., 26/03, 00 UTC

Valid: Fr 2021-03-26 00:00 UTC (step 36 hrs from Mi 2021-03-24 12:00 UTC)



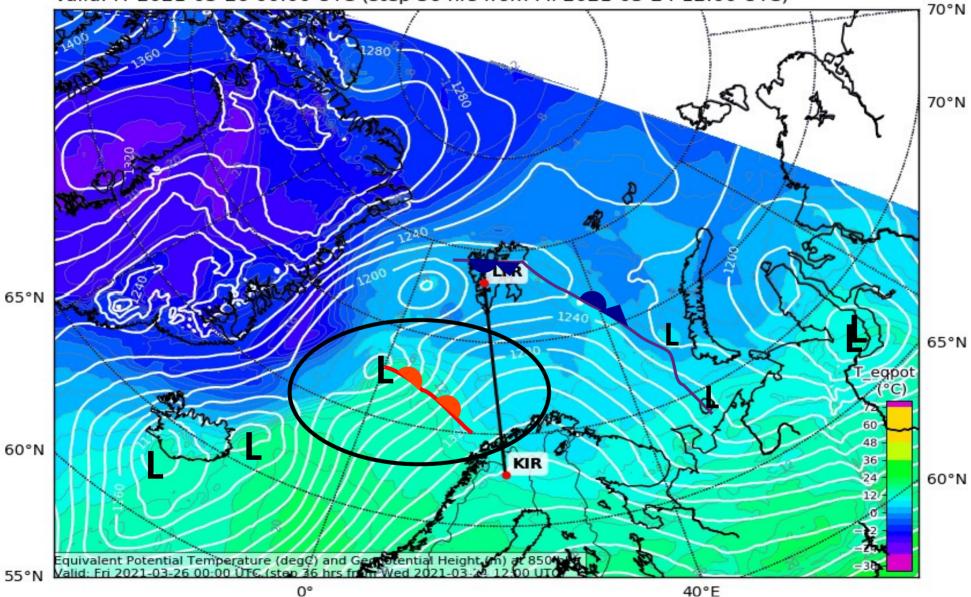
-4-

Mean sea level pressure (hPa) & surface wind from ECMWF: Fri., 26/03, 00 UTC

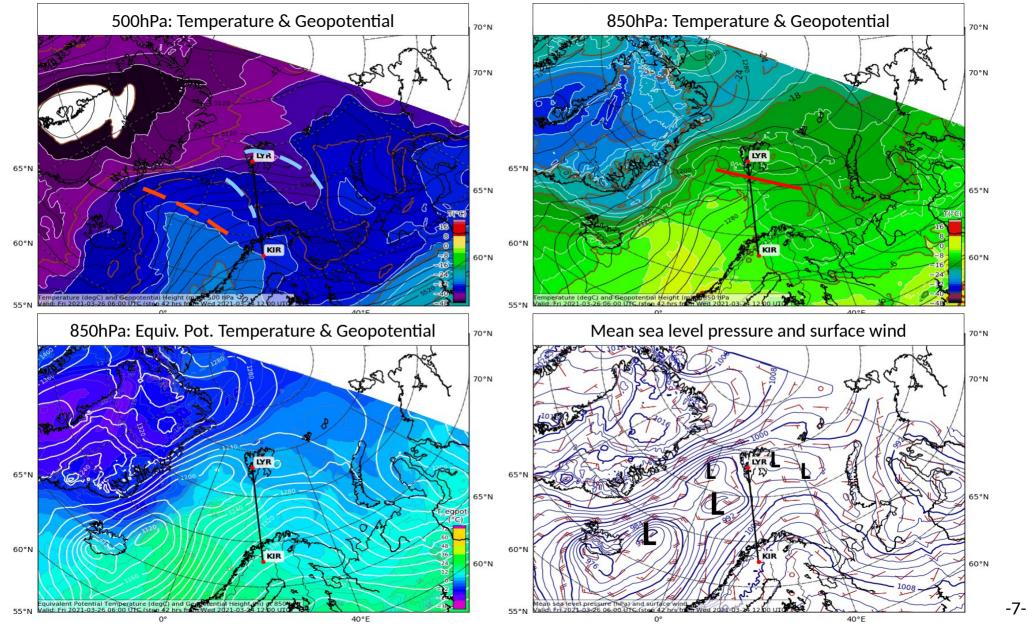


850 hPa: Equi. Pot. Temperature (°C) & Geopotential (gpm) from ECMWF: Fri., 26/03, 00 UTC

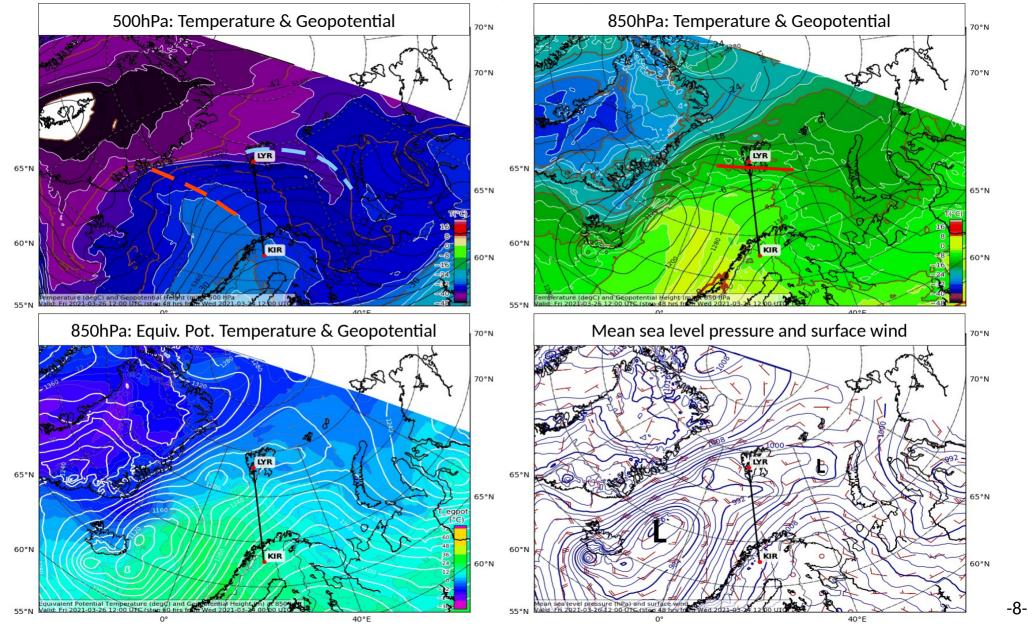




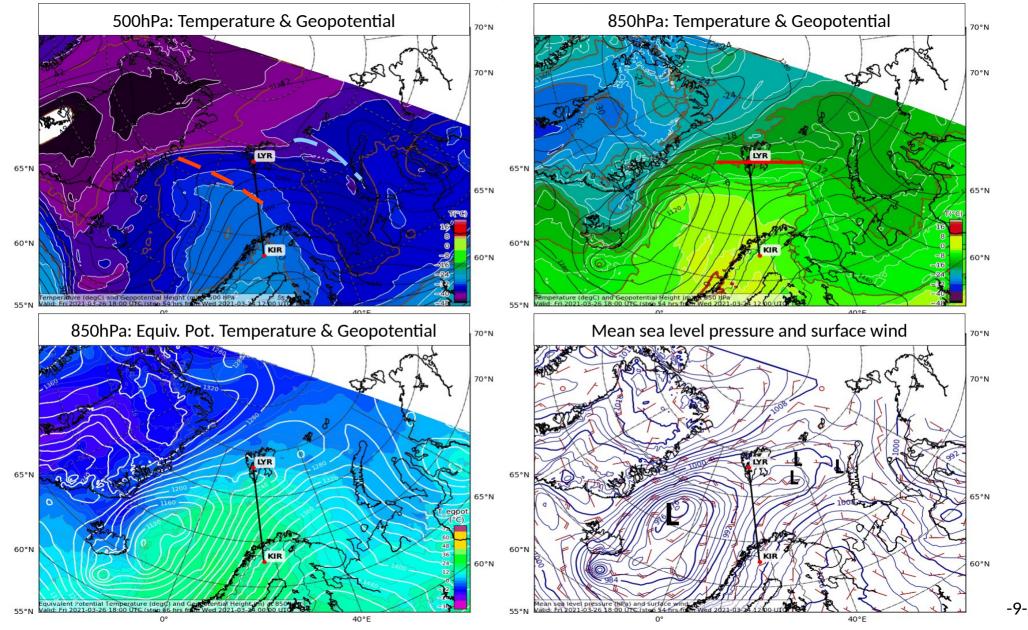
General weather situation (ECMWF): Fri. 26/03, 06 UTC



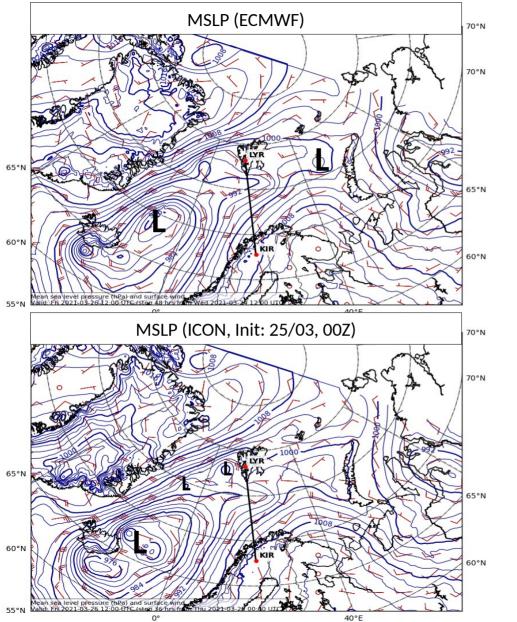
General weather situation (ECMWF): Fri. 26/03, 12 UTC

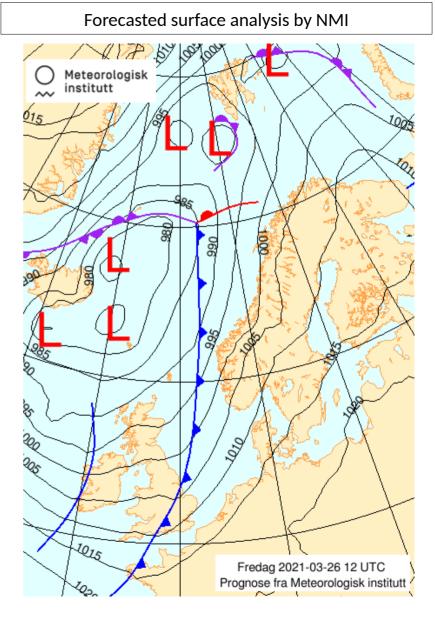


General weather situation (ECMWF): Fri. 26/03, 18 UTC

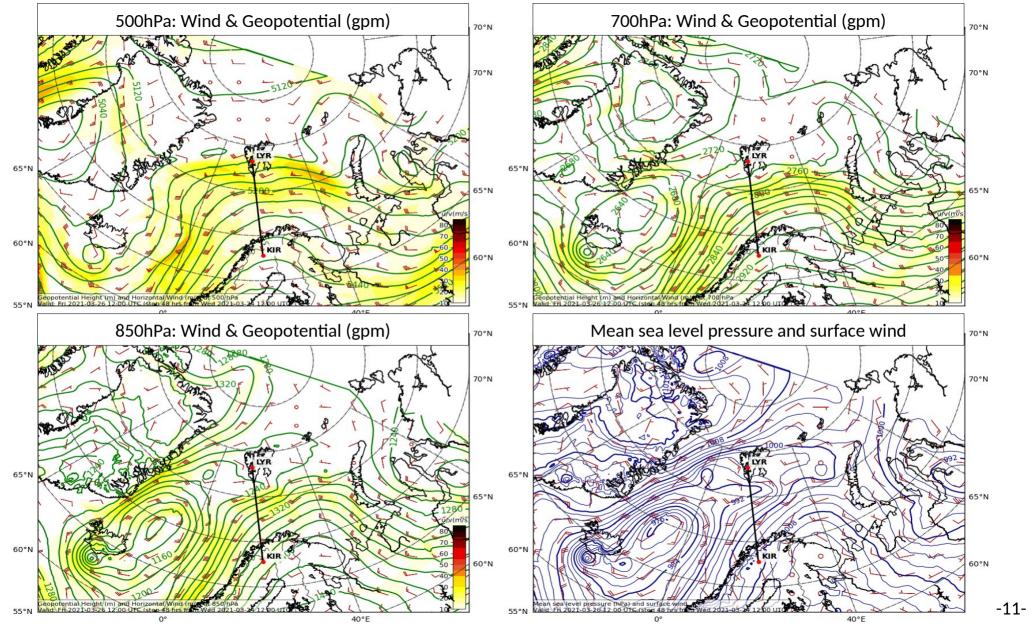


Model comparison MSLP: Fri. 26/03, 12 UTC

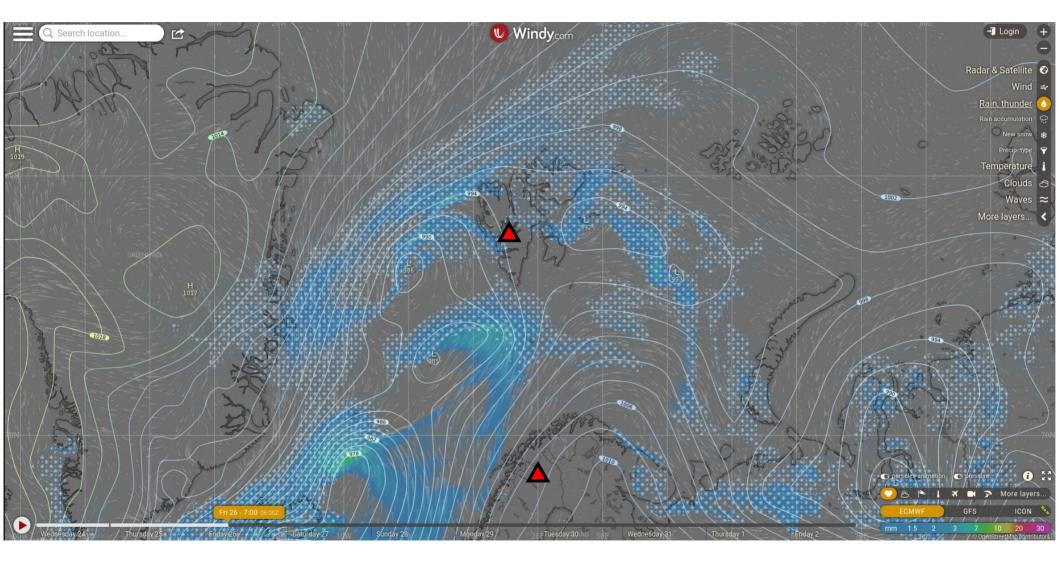




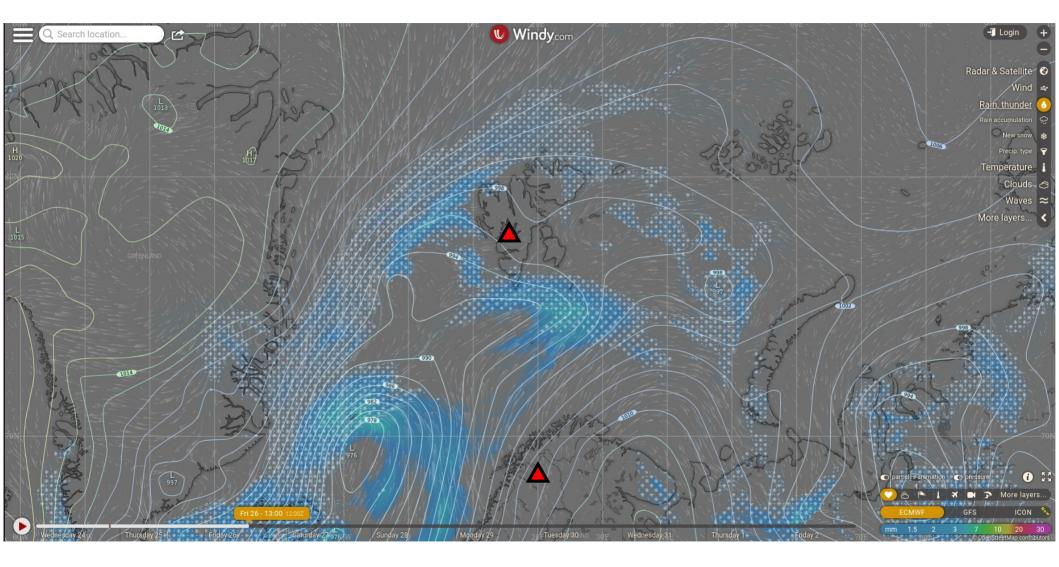
Wind (ECMWF): Fri. 26/03, 12 UTC



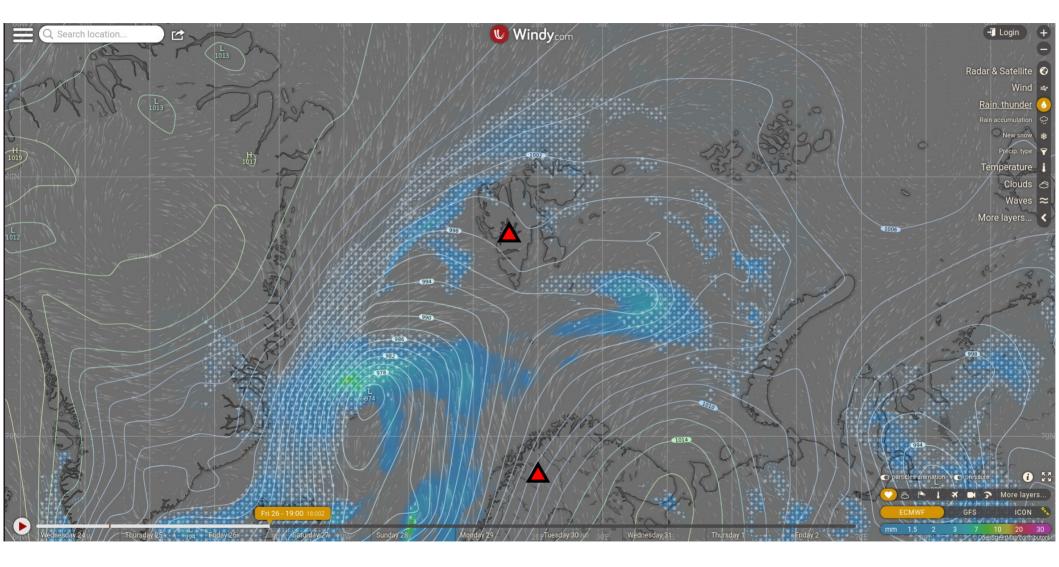
Precipitation (ECMWF): Fri., 26/03, 06 UTC



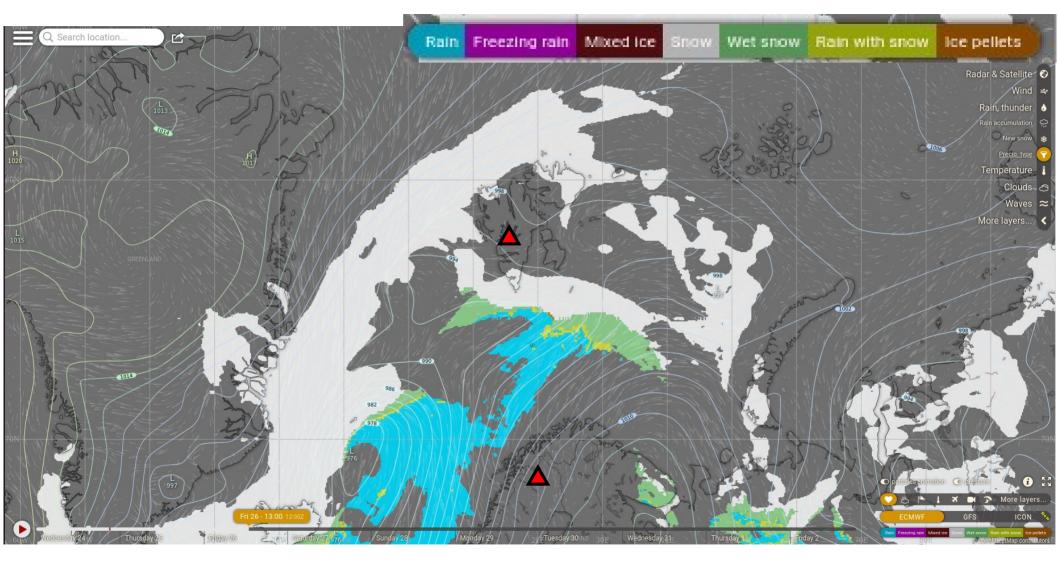
Precipitation (ECMWF): Fri., 26/03, 12 UTC



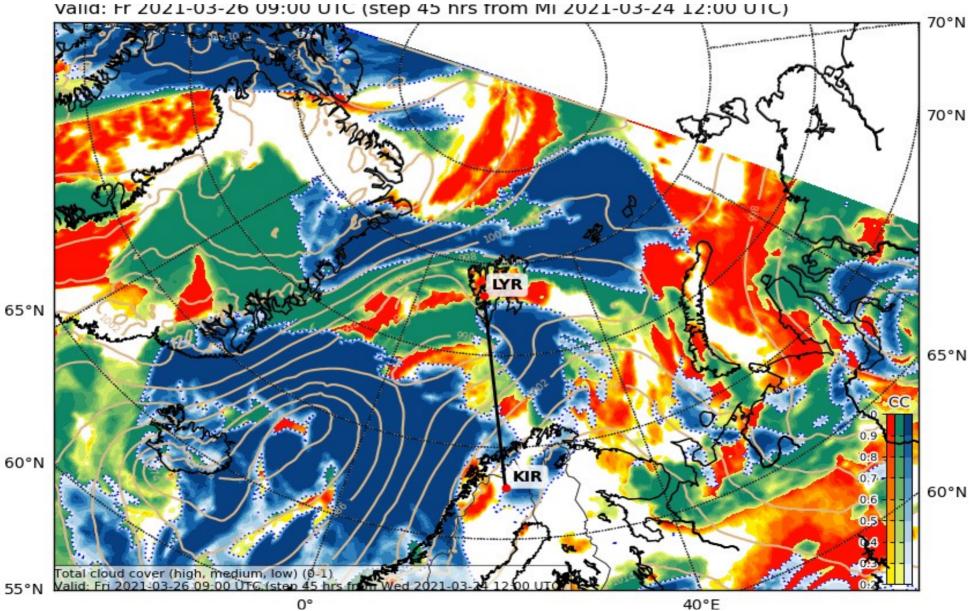
Precipitation (ECMWF): Fri., 26/03, 18 UTC



Precipitation type (ECMWF): Fri., 26/03, 12 UTC

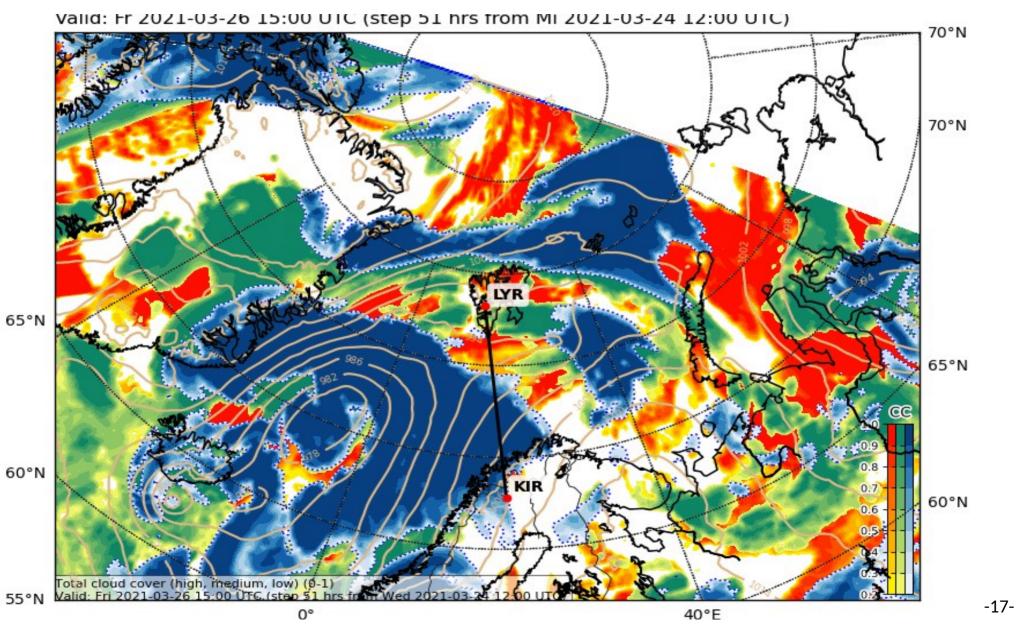


Total cloud cover (ECMWF): Fri., 26/03, 09 UTC

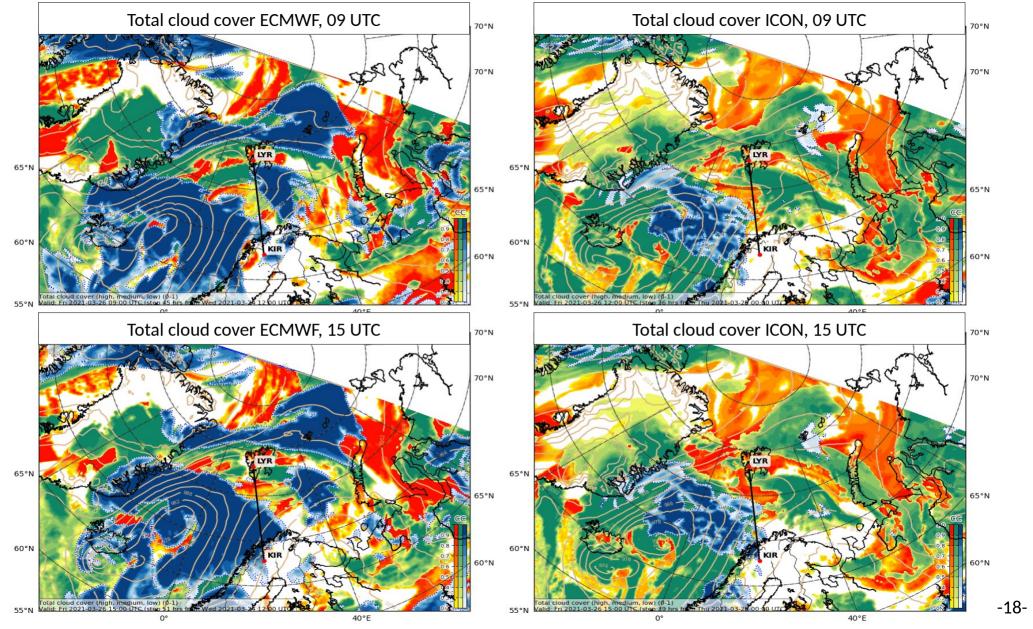


-16-

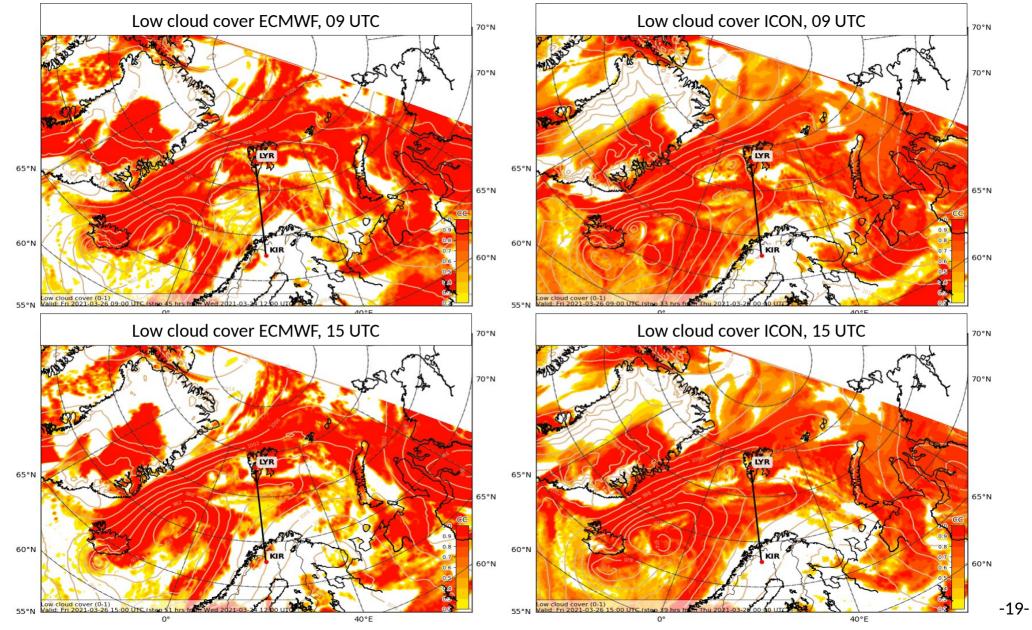
Total cloud cover (ECMWF): Fri., 26/03, 15 UTC



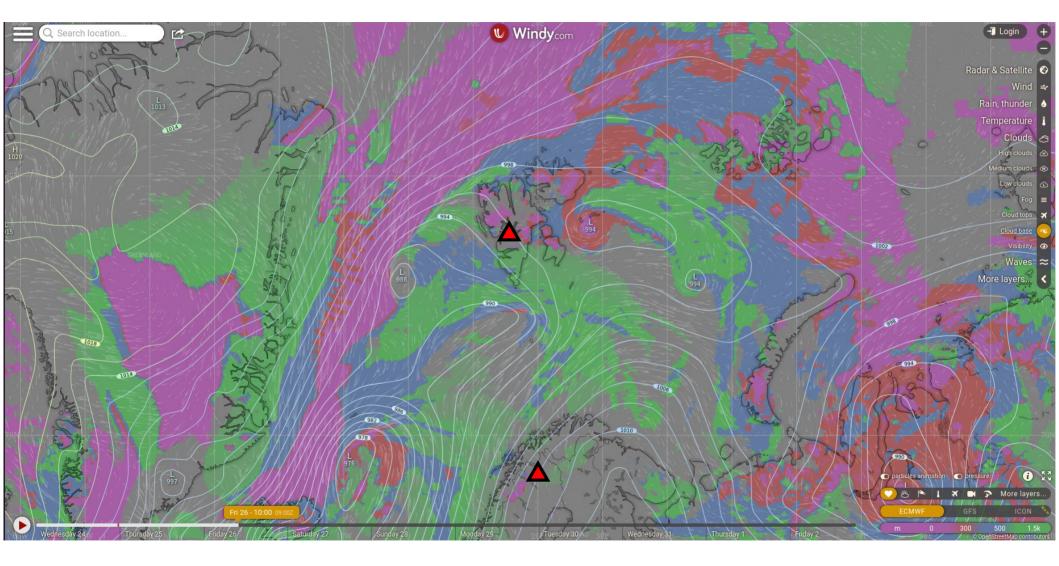
Cloud cover (ECMWF & ICON): Fri. 26/03, 09 & 15 UTC



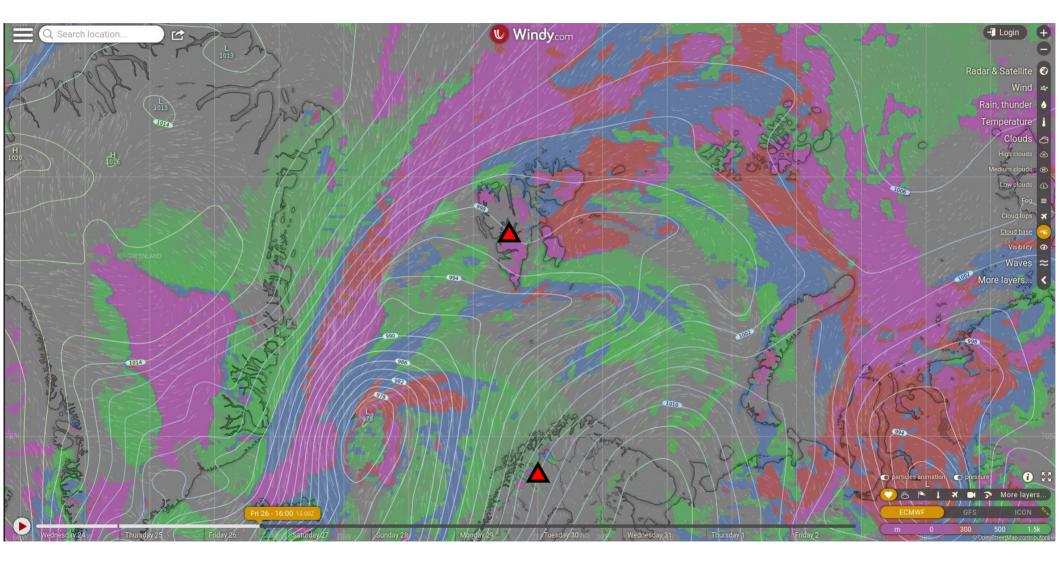
Low cloud cover (ECMWF & ICON): Fri. 26/03, 09 & 15 UTC



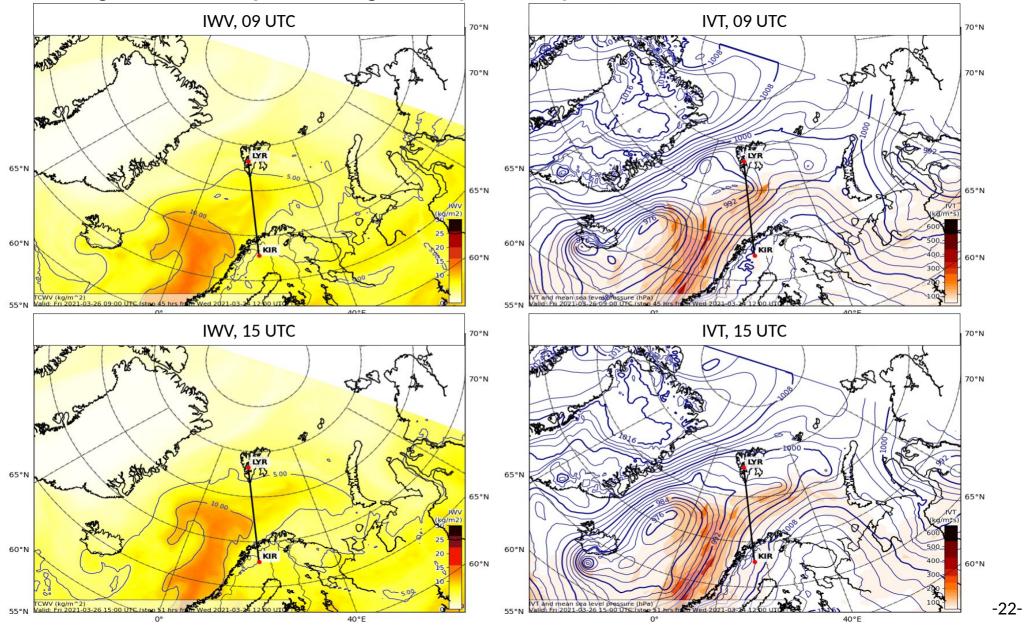
Cloud base (ECMWF): Fri., 26/03, 09 UTC



Cloud base (ECMWF): Fri., 26/03, 15 UTC



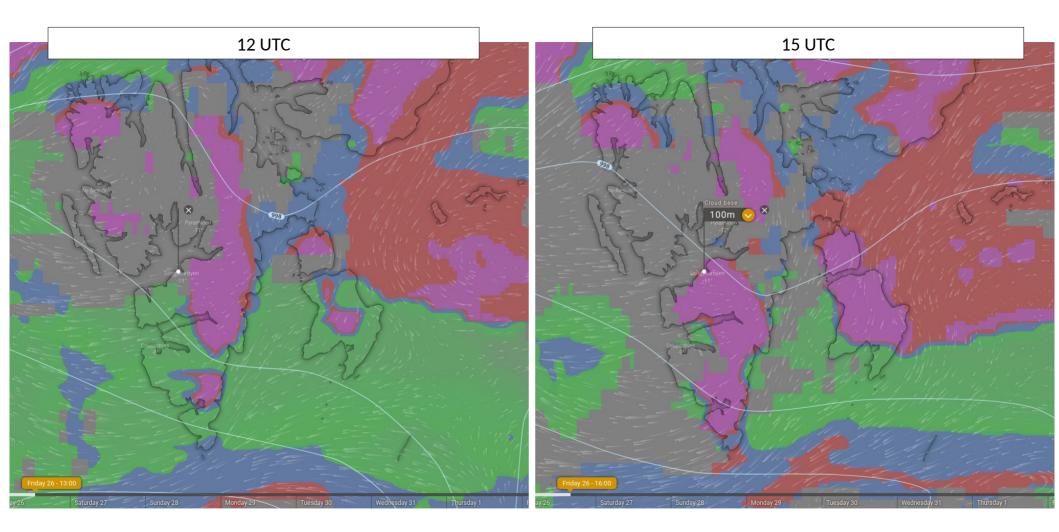
Integrated water vapour & integrated vapour transport (ECMWF): Fri. 26/03, 09 & 15 UTC



Meteograms LYR (top) and Kiruna (bottom)

						- 18		-	3		5	7	~	//		10:00	09:00		N: -4							213m		Q	
		Thursday 25									Friday 26								Saturday 27								Sur		
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Temperature Dew point	°C	-6°	-6°	-6°	-6°	-7°	-7°	-7°	-6°	-6°	-7°	-8°	-9°	-9°	-9°	-9°		-10°				-10°		-9°	-9°	-9°	-8°	-7°	-6°
Wind	kt	-8° ≪ 7	-8°	-8°	-9°	-9"	-10°	-9°	~ 5	-9°	-9°	-11°	-11°	-12°	-12"	-12*	-13°	-13"	-13°	-14°	-14°	-13°	-13°	-13°	-12°	-12°	-11°	-10°	-9°
Wind gusts		15	15	15	15	15	15	16	15	12	11	11	12	11	11	12	15	16	15	17	20	25	31	34	34	35	35	32	24
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Hours Temperature Dew point	°C	15Z 2° -4°	19 18Z O° -6°	22 21Z •-1° -7°	1 00Z 0 1° -4*	4 03Z -2° -5°	7	10 09Z 1° -6°	12Z	15Z **** -1° -5*	18Z -5° -7*	21Z -6° -8°	1 00Z -8° -10°	4 03Z •10° -11°	6 7 06Z -7° -9*	10 09Z -2° -5°	13 122 1° -4°	16 15Z 	19 18Z -2° -4°	22 21Z -3° -5°	an Sat 1 002 -4° -5*	4 03Z -3° -4°	543m y 27 7 06Z -2° -2°	10 092 0° -1*	13 122 1° 1° -1°	16	19 18Z 1° 0°	22 21Z 1° 1° 0°	Sur 1 00Z 1° 1°
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Hours Hours Temperature Dew point Wind Wind gusts	°C kt hPa	15Z 2° -4° √ 14 29 300h 9	2 19 18Z 0° -6° √ 16 32 km FL3	22 21Z -1° -7° ▼18 36 982 500	1 00Z 0 1° -4*	4 03Z -2° -5° ≫ 9	7 06Z -2° -6° 7	10 09Z 1° -6° ▶ 6	12Z 0° -5° 7 6	15Z -1° -5° > 5	18Z -5° -7° 7 4	21Z -6° -8° 7 4	1 00Z -8° -10° 7 4	4 03Z ● -10° -11° ✓ 3	6 7 06Z -7° -9° A 4	10 09Z -2° -5° A 4 10	13 12Z 1° -4° A 6	16 15Z 1° -3° A 6	19 18Z -2° -4° 8	22 21Z -3° -5°	alt Sat 1 002 -4° -5°	4 03Z -3° -4' >7	543m y 27 7 06Z -2° -2°	10 09Z 0° -1° A 8 20	13 12Z 1° 1° -1' A 9	16 15Z 1° 0°	19 18Z 1° 0° A 8 16	22 21Z 1° 1° 0°	Sur 1 00Z 1° 0° A 9 19
Hours Hours Temperature Dew point Wind Wind gusts Pressure Clouds, rain	°C kt hPa mm	15Z 2° -4° 4 14 29	-2 19 18Z 0° -6° √ 16 32 km FL3 km FL3	22 21Z •1° -7° ▼18 36 982 300 80	1 00Z 0 1° -4*	4 03Z -2° -5° ≫ 9	7 06Z -2° -6° 7	10 09Z 1° -6° ▶ 6	12Z 0° -5° 7 6	15Z → -1° -5° ⊳ 5	18Z -5° -7° 7 4	21Z -6° -8° 7 4	1 00Z -8° -10° 7 4	4 03Z ● -10° -11° ✓ 3	6 7 06Z -7° -9° A 4	10 09Z -2° -5° A 4 10	13 12Z 1° -4° A 6	16 15Z 1° -3° A 6	19 18Z -2° -4° 8	22 21Z -3° -5°	alt Sat 1 002 -4° -5°	4 03Z -3° -4' >7	543m y 27 7 06Z -2° -2°	10 09Z 0° -1° A 8 20	13 12Z 1° 1° -1' A 9	16 15Z 1° 0°	19 18Z 1° 0° A 8 16	22 21Z 1° 1° 0°	Sur 1 00Z 1° 0° A 9 19
Hours Hours Temperature Dew point Wind Wind gusts Pressure	°C kt hPa mm ♀	15Z 2° -4° <14 29 300h 9 500h 5	19 18Z 0° -6° √ 16 32 km FL3 km FL1 km FL1	22 21Z -1° -7° 7 18 36 982 300 80 80 80	1 00Z 0 1° -4*	4 03Z -2° -5° ≫ 9	7 06Z -2° -6° 7	10 09Z 1° -6° ▶ 6	12Z 0° -5° 7 6	15Z → -1° -5° ⊳ 5	18Z -5° -7° 7 4	21Z -6° -8° 7 4	1 00Z -8° -10° 7 4	4 03Z ● -10° -11° ✓ 3	6 7 06Z -7° -9° A 4	10 09Z -2° -5° A 4 10	13 12Z 1° -4° A 6	16 15Z 1° -3° A 6	19 18Z -2° -4° 8	22 21Z -3° -5°	alt Sat 1 002 -4° -5°	4 03Z -3° -4' >7	543m y 27 7 06Z -2° -2°	10 09Z 0° -1° A 8 20	13 12Z 1° 1° -1' A 9	16 15Z 1° 0°	19 18Z 1° 0° A 8 16	22 21Z 1° 1° 0°	Sur 1 00Z 1° 0° A 9 19
Hours Hours Temperature Dew point Wind Wind gusts Pressure Clouds, rain Rain	°C kt hPa mm ♀	15Z 2° -4° ✓ 14 29 300h 9 500h 3	19 18Z 0° -6' -6' -6' -6' -7 16 32 km FL3 km FL1 km FL1 km 640	22 21Z -1° -7° 7/18 36 982 300 80 300 300 300	1 00Z 0 1° -4*	4 03Z -2° -5° ≫ 9	7 06Z -2° -6° ₽ 7 20	10 09Z 1° -6° ▶ 6	12Z 0° -5° 7 6	15Z → -1° -5° ⊳ 5	18Z -5° -7° 7 4	21Z -6° -8° 7 4	1 00Z -8° -10° 7 4	4 03Z ● -10° -11° ✓ 3	6 7 06Z -7° -9° A 4	10 09Z -2° -5° A 4 10	13 12Z 1° -4° A 6	16 15Z 1° -3° A 6	19 18Z -2° -4° 8	22 21Z -3° -5°	alt Sat 1 002 -4° -5°	4 03Z -3° -4' >7	543m y 27 7 06Z -2° -2°	10 09Z 0° -1° A 8 20	13 12Z 1° 1° -1' A 9	16 15Z 1° 0°	19 18Z 1° 0° A 8 16	22 21Z 1° 1° 0°	Sur 1 00Z 1° 0° A 9 19
Hours Hours Temperature Dew point Wind Wind gusts Pressure Clouds, rain Rain Convective r.	°C kt hPa mm ♀ ♀ ♀	15Z 2° -4° ≪ 14 29 300h 9 500h 5 700h 3 800h 2	19 18Z 0° -6' -6' -6' -6' -7 16 32 km FL3 km FL1 km FL1 km 640	22 21Z -1° -7° 7/18 36 982 300 80 300 300 300	1 00Z 1° -4° ≫ 19 41	4 03Z -2° -5° 39	7 06Z -2° -6° 7 20	10 09Z 1° -6° ▶ 6	12Z 0° -5° 7 6	15Z → -1° -5° ⊳ 5	18Z -5° -7° 7 4	21Z -6° -8° 7 4	1 00Z -8° -10° 7 4	4 03Z ● -10° -11° ✓ 3	6 7 06Z -7° -9° A 4	10 09Z -2° -5° A 4 10	13 12Z 1° -4° A 6	16 15Z 1° -3° A 6	19 18Z -2° -4° 8	22 21Z -3° -5°	alt Sat 1 002 -4° -5°	4 03Z -3° -4' >7	543m y 27 7 06Z -2° -2°	10 09Z 0° -1° A 8 20	13 12Z 1° 1° -1' A 9	16 15Z 1° 0°	19 18Z 1° 0° A 8 16	22 21Z 1° 1° 0°	Sur 1 00Z 1° 0° A 9 19

Cloud base (ECMWF): Fri., 26/03, 12 & 15 UTC

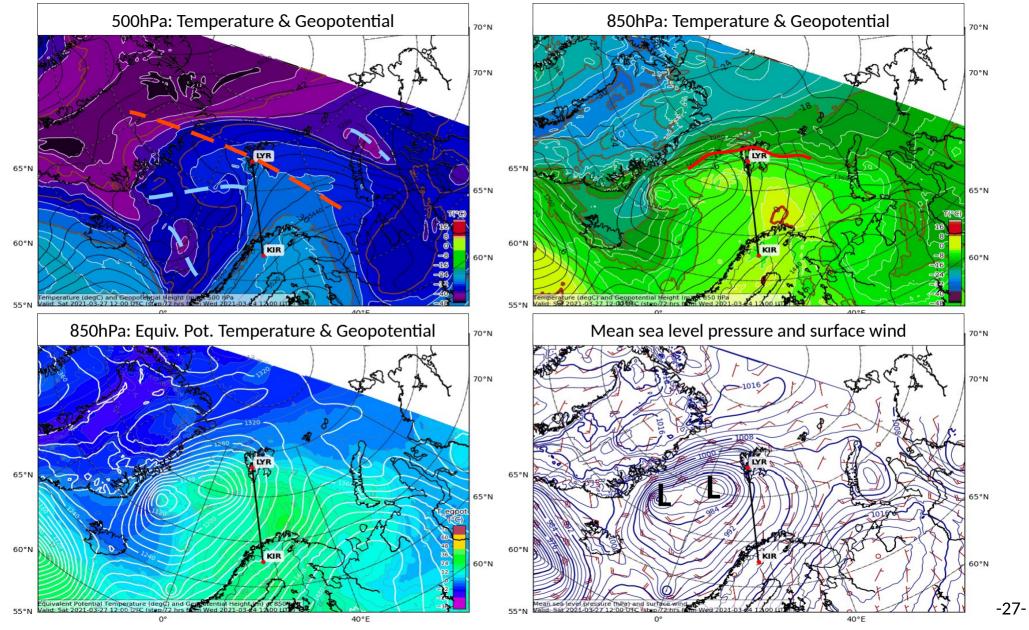


Summary

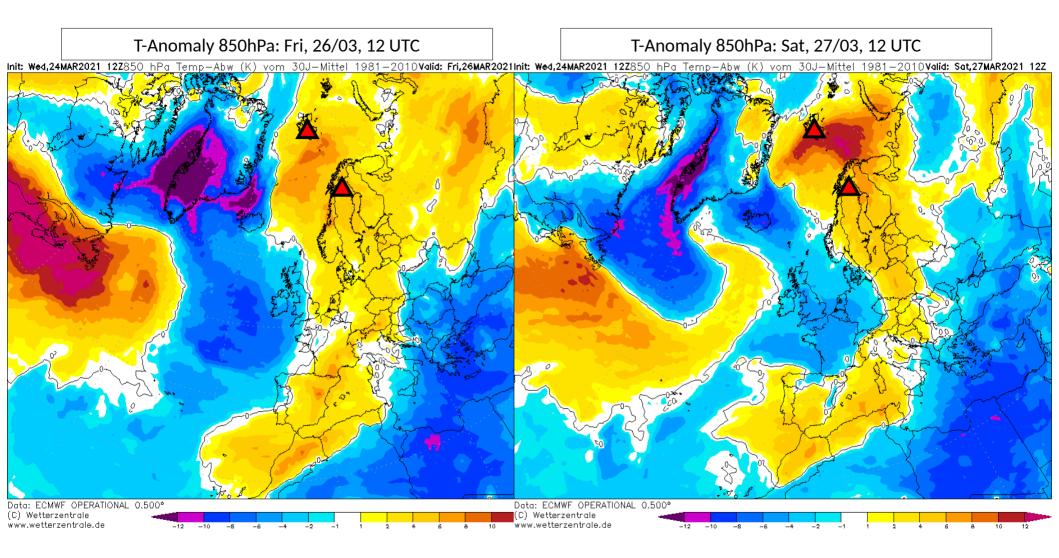
- Remnants of occlusion still present near Svalbard, including several weak low pressure systems, and still causing some precipitation around the island
- Further lows approach Svalbard from southwest, associated with warm air advection
- Different types of precipitation in weakening low south/southeast of Svalbard
- Low-level cloud base over sea ice northwest of Svalbard probably close to/at the surface
- Multi-layered clouds associated with warm air advection from Southwest

Saturday, 27 March 2021

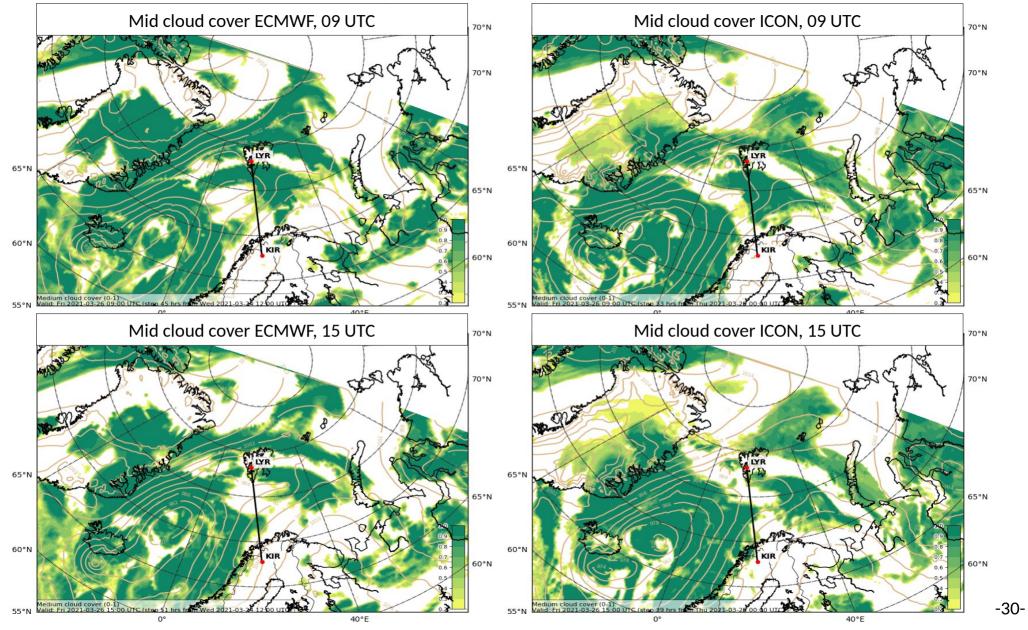
General weather situation (ECMWF): Sat. 27/03, 12 UTC



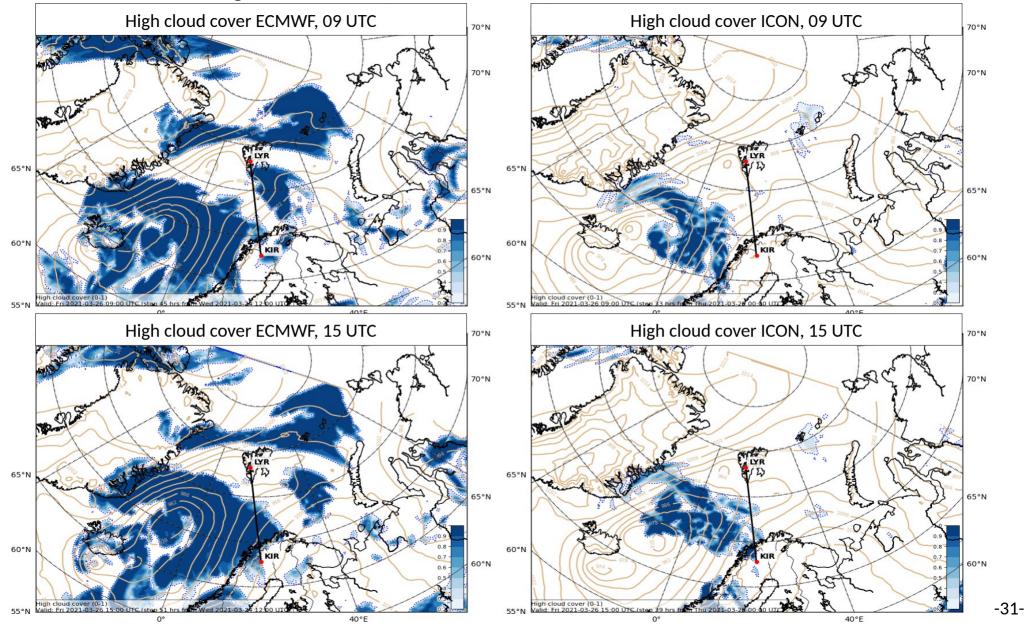
Temperature anomaly (K) from ECMWF



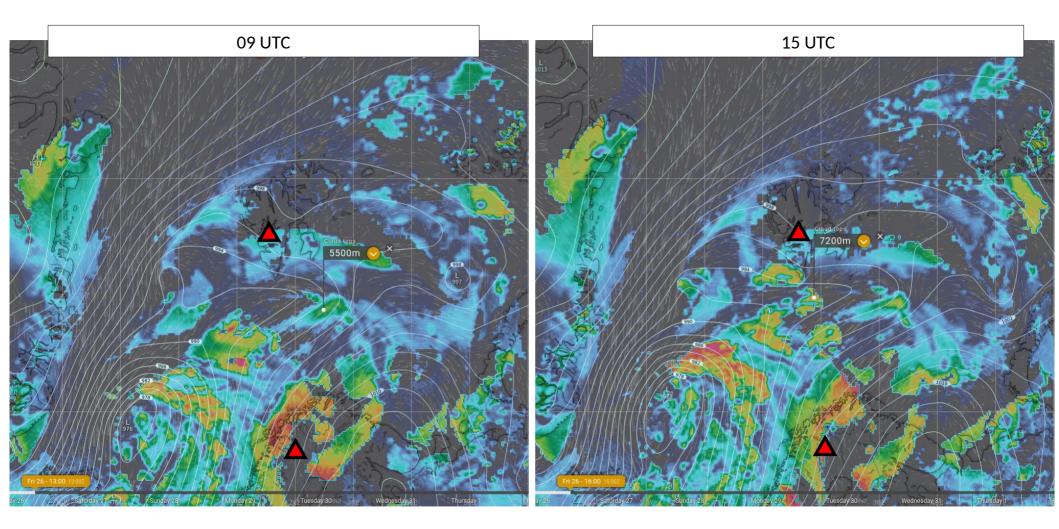
Mid cloud cover (ECMWF & ICON): Fri. 26/03, 09 & 15 UTC



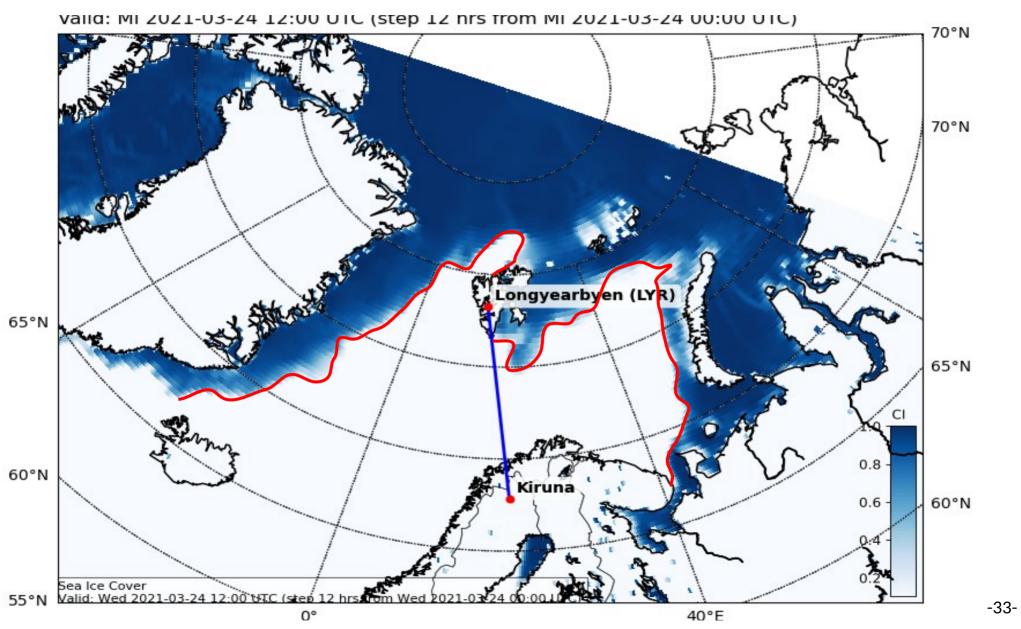
High cloud cover (ECMWF & ICON): Fri. 26/03, 09 & 15 UTC



Cloud top (ECMWF): Fri., 26/03, 12 & 15 UTC



Sea ice cover ECMWF: Wed., 24/03, 12 UTC



Sea ice cover ECMWF: Fri., 26/03, 12 UTC

