

Flight Information

August 18, 2025, at 1228 UTC no signals heard for the past 2 days.

August 15, 2025, at 2258 UTC the balloon 125 miles East of Cape Canaveral, Florida. The balloon/payload status is nominal, with a speed of 39 MPH (63 KPH) at an altitude of 46,390' (14140m). The Infrared (IR) temperature sensor reading below the balloon at the time was 282 K. The satellite image from [windy.com](https://www.windy.com) indicated the sea temperature at that location was 297 K, an error of 15 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will head up the East coast of the United States before heading out over the Atlantic Ocean, making a big loop past Bermuda and then toward Venezuela in the next few days.

August 13, 2025, at 1648 UTC the balloon was flying over Fort Hood, Texas. The balloon/payload status is nominal, with a speed of 14 MPH (22 KPH) at an altitude of 46,190' (14080m). The Infrared (IR) temperature sensor reading below the balloon at the time was 263 K. The satellite image from [windy.com](https://www.windy.com) indicated the cloud temperature at that location was 268 K, an error of 5 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue Northeast out over the Atlantic Ocean, and then make a big loop Southward toward Florida in the next few days.

August 11, 2025, at 0108 UTC the balloon was 50 miles East of its launch site, the Boulder City, Nevada Dry Lakebed. The balloon/payload status is nominal, with a speed of 14 MPH (22 KPH) at an altitude of 46,130' (14060m). The Infrared (IR) temperature sensor reading below the balloon at the time was 289 K. The satellite image from [windy.com](https://www.windy.com) indicated the land temperature at that location was 299 K, an error of 10 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue Southward before looping back North and heading Eastward across the United States in the next few days.

August 7, 2025, at 0018 UTC the balloon was traveling over the Russian coastline, 300 miles Northeast of the town of Vladivostok. The balloon/payload status is nominal, with a speed of 51 MPH (81 KPH) at an altitude of 43,110' (13140m). The Infrared (IR) temperature sensor reading below the balloon at the time was 282 K. The satellite image from [windy.com](https://www.windy.com) indicated the land temperature at that location was 289 K, an error of 7 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will move Eastward across the Pacific Ocean, South of the Aleutian Islands and then over the Northwest part of the United States in next few days.

August 4, 2025, at 1148 UTC the balloon was just North of the town of Betbulak, Kazakhstan. The balloon/payload status is nominal, with a speed of 55 MPH (89 KPH) at an altitude of 43,310' (13200m). The Infrared (IR) temperature sensor reading below the balloon at the time was 284 K. The satellite image from [windy.com](https://www.windy.com) indicated the land temperature at that location was 284 K, an error of 0 K. The [SondeHub](https://sondehub.com) tracking website forecasts the

balloon will move Eastward along the border between Russia and China in the next few days.

August 1, 2025, at 1648 UTC the balloon was over the Barents Sea Northeast of Norway. The balloon/payload status is nominal, with a speed of 28 MPH (44 KPH) at an altitude of 43,370' (13220m). The Infrared (IR) temperature sensor reading below the balloon at the time was 270 K. The satellite image from [windy.com](https://www.windy.com) indicated the sea/cloud temperature at that location was 275 K, an error of 5 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will move Eastward across the Barents Sea and then South into Russia in the next few days.

July 30, 2025, at 1318 UTC the balloon was near the city of Tallinn, Estonia. The balloon/payload status is nominal, with a speed of 28 MPH (44 KPH) at an altitude of 43,440' (13240m). The Infrared (IR) temperature sensor reading below the balloon at the time was 277 K. The satellite image from [windy.com](https://www.windy.com) indicated the land temperature at that location was 283 K, an error of 6 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will make a wide loop clockwise around Scandinavia and then head South into Russia in the next few days.

July 28, 2025, at 1518 UTC the balloon was 50 miles West of Geneva, Switzerland. The balloon/payload status is nominal, with a speed of 60 MPH (96 KPH) at an altitude of 43,570' (13280m). The Infrared (IR) temperature sensor reading below the balloon at the time was 268 K. The satellite image from [windy.com](https://www.windy.com) indicated the cloud/land temperature at that location was 274 K, an error of 6 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue to move Southeast toward Italy, Northeast toward Ukraine and then North toward Scandinavia in the next few days.

July 26, 2025, at 1908 UTC the balloon was 200 miles East of Davis Inlet over the Labrador Sea. The balloon/payload status is nominal, with a speed of 53 MPH (85 KPH) at an altitude of 42,191' (12860m). The Infrared (IR) temperature sensor reading below the balloon at the time was 251 K. The satellite image from [windy.com](https://www.windy.com) indicated the cloud temperature at that location was 257 K, an error of 6 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue to move Northeast toward Greenland and then turn Southeast over Iceland toward Europe in the next few days.

July 25, 2025, at 1158 UTC the balloon was over Hudson Bay, Canada 80 miles North of Fort Severn. The balloon/payload status is nominal, with a speed of 42 MPH (67 KPH) at an altitude of 42,060' (12820m). The Infrared (IR) temperature sensor reading below the balloon at the time was 269 K. The satellite image from [windy.com](https://www.windy.com) indicated the cloud temperature at that location was 275 K, an error of 6 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue to move Southeast over Newfoundland and Labrador and then Northeast toward Greenland in the next few days.

July 23, 2025, at 1418 UTC the balloon was over Northern Canada 50 miles East of Lupin and Lake Contwoyto. The balloon/payload status is nominal, with a speed of 26 MPH (41 KPH) at an altitude of 41,797 (12740m). The Infrared (IR) temperature sensor reading below the balloon at the time was 261K. The estimated temperature of the cloud tops at that location was 269 K, an error of 8 K. The [SondeHub](#) tracking website forecasts the balloon will continue to move slowly Southward in the next few days.

July 20, 2025, at 0148 UTC the balloon was over the Arctic Ocean about 50 miles North of Meighen Island, Canada. Also, it was passing about 160 miles West of [Eureka Weather Station](#) (VY0ERC), NU X0A 0G0, Canada. The balloon/payload status is nominal, with a speed of 40 MPH (64 KPH) at an altitude of 42,257 (12880 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 260K. The estimated temperature of the cloud tops (1000 feet) at that location was 267 K, an error of 7 K. The [SondeHub](#) tracking website forecasts the balloon will move South over Northern Canada toward Victoria Island in the next few days.

July 19, 2025, at 0028 UTC the balloon was over the Arctic Ocean about 1.5° (~90 miles) from the North Pole. The balloon/payload status is nominal, with a speed of 27 MPH (44 KPH) at an altitude of 43,176 (13160 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 266K. The estimated temperature of the Arctic Ocean/icecap at that location was 271 K, an error of 5 K. The [SondeHub](#) tracking website forecasts the balloon will move South over the Arctic Ocean and into Canada in the next few days.

July 18, 2025, at 1708 UTC the balloon was over the Arctic Ocean about 2.5° from the North Pole. The balloon/payload status is nominal, with a speed of 18 MPH (29 KPH) at an altitude of 41,732 (12,720 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 244K. The estimated temperature of the Arctic icecap/clouds at that location was 251 K, an error of 7 K. The [SondeHub](#) tracking website forecasts the balloon will continue Northeast over the Arctic Ocean in the next few days.

July 18, 2025, at 0108 UTC the balloon was 200 miles Northeast of October Revolution Island, Russia. The balloon/payload status is nominal, with a speed of 20 MPH (33 KPH) at an altitude of 41,340 (12,600 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 265K. The estimated temperature of the sea at that location was 271 K, an error of 6 K. The [SondeHub](#) tracking website forecasts the balloon will continue North and then Northeast over the Arctic Ocean in the next few days.

July 11, 2025, at 1238 UTC the balloon was passing through Central Russia. The balloon/payload status is nominal, with a speed of 16 MPH (26 KPH) at an altitude of 43,045 (13,120 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 252K. The satellite image from [windy.com](#) indicated the cloud temperature at that location was 259 K, an error of 7 K. The [SondeHub](#) tracking website forecasts the balloon will continue North across central Russia toward the Arctic Circle in the next few

days. Note: The balloon's last signal was heard on July 13, 2025, over central Russia at grid square NP72. Propagation on the 10 m band has been very poor since that date.

July 9, 2025, at 1138 UTC the balloon was passing through Central Kazakhstan. The balloon/payload status is nominal, with a speed of 16 MPH (26 KPH) at an altitude of 42,979 (13,100 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 282K. The satellite image from [windy.com](https://www.windy.com) indicated the land temperature at that location was 290 K, an error of 8 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue South across Kazakhstan and then turn East toward China in the next few days.

July 5, 2025, at 1148 UTC the balloon was passing the border between Norway and Sweden near the town of Stora Blåsjön. The balloon/payload status is nominal, with a speed of 21 MPH (39 KPH) at an altitude of 41,207 (12,560 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 275K. The satellite image from [windy.com](https://www.windy.com) indicated the land temperature at that location was 280 K, an error of 5 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue Eastward across Finland and Russia in the next few days.

July 2, 2025, at 2248 UTC the balloon was passing the Southeast coastline of Greenland, above the Arctic Circle. The balloon/payload status is nominal, with a speed of 14 MPH (22 KPH) at an altitude of 40,879' (12,460 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 266K. The satellite image from [windy.com](https://www.windy.com) indicated the sea temperature at that location was 269 K, an error of 3 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue Eastward toward Iceland, Norway, Sweden and Finland in the next few days.

June 30, 2025, at 2308 UTC the balloon was over Southern Greenland near the town of Kangerlussuaq above the Arctic Circle. The balloon/payload status is nominal, with a speed of 15 MPH (23 KPH) at an altitude of 41,142' (12,540 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 240K. The satellite image from [windy.com](https://www.windy.com) indicated the temperature of the cloud tops at that location was 243 K, an error of 3 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue Eastward toward Iceland and Norway in the next few days. Note: The balloon most likely has been above the Arctic Circle, since July 10th until it was received again on June 26, 2025. Positions above the Arctic Circle make it difficult for the balloon to operate.

June 10, 2025, at 1228 UTC the balloon was over Northeastern Sweden above the Arctic Circle. The balloon/payload status is nominal, with a speed of 27 MPH (44 KPH) at an altitude of 41,142' (12,540 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 240K. The satellite image from [windy.com](https://www.windy.com) indicated the temperature of the cloud tops at that location was 243 K, an error of 3 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue Northeast deeper into the Arctic in the next few days.

June 8, 2025, at 1928 UTC the balloon was over the North Atlantic about 75 miles (121 Km) North of the Shetland Islands. The balloon/payload status is nominal, with a speed of 29 MPH (33 KPH) at an altitude of 40,879' (12,460 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 257K. The satellite image from [windy.com](https://www.windy.com) indicated the temperature of the cloud tops at that location was 267 K, an error of 10 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue East toward Norway and then Northeast toward the Arctic in the next few days.

June 7, 2025, at 2208 UTC the balloon was over the North Atlantic near the coastline of Iceland. The balloon/payload status is nominal, with a speed of 16 MPH (26 KPH) at an altitude of 40,814' (12,440 m). I have no explanation for why the balloon has been silent for over a week, other than a temporary hardware failure or very bad 10 m propagation. The Infrared (IR) temperature sensor reading below the balloon at the time was 265K. The satellite image from [windy.com](https://www.windy.com) indicated the temperature of the sea at that location was 274 K, an error of 9 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue Southeast toward the British Isles in the next few days.

June 3, 2025, no signals received. It would seem the balloon either went down or had some sort of hardware failure. ALP40-I can be tracked during daylight hours [HERE](#) or on [WSPRNet](#) (enter 10 m, KB7HTA, 1 hour and click update). The [Reverse Beacon Network RBN](#) has received CW spots. For more information about TALARC Pico-Balloons, use the table with links below.

May 30, 2025, no signals received.

May 28, 2025, at 0128 UTC the balloon was over the Pacific Ocean. The balloon/payload status is nominal, with a speed of 53 MPH (85 KPH) at an altitude of 41,470' (12,640 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 264 K. The satellite image from [windy.com](https://www.windy.com) indicated the temperature of the sea/clouds at that location was 275 K, an error of 11 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue East over the Pacific Ocean and then toward Canada in the next few days.

May 26, 2025, at 0148 UTC the balloon was over the Sea of Japan. The balloon/payload status is nominal, with a speed of 33 MPH (53 KPH) at an altitude of 41,535' (12,660 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 262K. The satellite image from [windy.com](https://www.windy.com) indicated the temperature of the sea/clouds at that location was 263 K, an error of 1 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue East over the Pacific Ocean and then toward Canada in the next few days.

May 23, 2025, at 0108 UTC the balloon was over central Russia. The balloon/payload status is nominal, with a speed of 23 MPH (37 KPH) at an altitude of 42,454' (12,940 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 277K. The satellite image from [windy.com](https://www.windy.com) indicated the temperature of the land at that location was 281 K,

an error of 4 K. The [SondeHub](#) tracking website forecasts the balloon will continue Southeast over Russia, Northern China and then Japan in the next few days.

May 20, 2025, at 0928 UTC the balloon was in North Kazakhstan. The balloon/payload status is nominal, with a speed of 45 MPH (72 KPH) at an altitude of 42,388' (12,920 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 283K. The satellite image from [windy.com](#) indicated the temperature of the land at that location was 290 K, an error of 7 K. The [SondeHub](#) tracking website forecasts the balloon will continue Northeast into Russia and then Southeast into Northern China in the next few days.

May 15, 2025, at 1148 UTC the balloon was crossing the Southern coast of Ireland near the town of Youghal. The balloon/payload status is nominal, with a speed of 20 MPH (33 KPH) at an altitude of 43,387' (13,200 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 284K. The satellite image from [windy.com](#) indicated the temperature of the land at that location was 293 K, an error of 9 K. The [SondeHub](#) tracking website forecasts the balloon will loop around the British Isles following the Eastern coastline and back toward France in the next few days.

May 14, 2025, at 1138 UTC the balloon was crossing highway A28/E402 leaving the Eure department and entering Calvados department, Normandy, France near the city of Orbec. The balloon/payload status is nominal, with a speed of 17 MPH (28 KPH) at an altitude of 42,651' (13,000 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 281K. The satellite image from [windy.com](#) indicated the temperature of the cloud tops at that location was 289 K, an error of 8 K. The [SondeHub](#) tracking website forecasts the balloon will do a loop around the British Isles and return to its current location in the next few days.

May 13, 2025, no signals received today.

May 12, 2025, at 1418 UTC the balloon was 40 miles (65 Km) West of Lyon, France. The balloon/payload status is nominal, with a speed of 8 MPH (13 KPH) at an altitude of 42,257' (12,880 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 230 K. The satellite image from [windy.com](#) indicated the temperature of the cloud tops at that location was 234 K, an error of 4 K. The [SondeHub](#) tracking website forecasts the balloon will soon turn slowly toward the North.

May 10, 2025, at 1238 UTC the balloon was 290 miles (468 Km) Northwest of the Spanish coastline over the Atlantic Ocean. The balloon/payload status is nominal, with a speed of 11 MPH (19 KPH) at an altitude of 41,995' (12,800 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 275 K. The satellite image from [windy.com](#) indicated the temperature of the Atlantic Ocean at that location was 286 K, an error of 11 K. The [SondeHub](#) tracking website forecasts the balloon will soon turn toward the Bay of Biscay and travel along the Northern coast of Spain.

May 9, 2025, at 1548 UTC the balloon was 35 miles (57 Km) South-Southwest of Plymouth, England over the English Channel. The balloon/payload status is nominal, with a speed of 23 MPH (33 KPH) at an altitude of 42,126' (12,840 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 275 K. The satellite image from [windy.com](https://www.windy.com) indicated the temperature of the English Channel at that location was 285 K, an error of 10 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue out into the Celtic Sea, before looping back toward the Bay of Biscay and France.

May 9, 2025, an analysis of the Infrared (IR) temperature data from 0948 to 1548 UTC (6-hour test) over a cloudless English Channel shows a consistent temperature range of 270 – 275 K (single highest and lowest value discarded), a variance of 5 K/C. Over the entire path [windy.com](https://www.windy.com) showed a consistent water temperature of about 12 C or 285 K, and confirmed [here](#). The average temperature for the period was approximately 273 K for an average error of 12 C. Looking at past readings, the error seems to change depending on whether the sensor is seeing water, snow, clouds or land. This most likely has to do with the emissivity constant of the object(s) being viewed. Also, keep in mind the sensor sees an area of about 0.6 Square Miles (1.5 Square Kilometers). It is important to keep these errors in mind, when reading temperatures from the sensor in the future.

May 8, 2025, at 1528 UTC the balloon was 15 miles off the West coast of Denmark over the North Sea. The balloon/payload status is nominal, with a speed of 31 MPH (48 KPH) at an altitude of 41,798' (12,740 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 273 K. The satellite image from [windy.com](https://www.windy.com) indicated the temperature of the sea surface at that location was 283 K, an error of 10 K. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue South toward the Europe/UK.

May 7, 2025, at 1558 UTC the balloon was near the town of Bodo, Norway. The balloon/payload status is nominal, with a speed of 41 MPH (66 KPH) at an altitude of 41,535' (12,660 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 259 K. The satellite image from [windy.com](https://www.windy.com) indicated the temperature of the clouds at that location was 261 K, an error of 2 K. The radio wave propagation in the area on the 10 m band was good today. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue South toward the UK/Europe.

May 6, 2025, at 1808 UTC the balloon was 500 miles Northwest of Tromso, Norway over the Greenland Sea. The balloon/payload status is nominal, with a speed of 35 MPH (56 KPH) at an altitude of 40,880' (12,460 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 252 K. The satellite image from [windy.com](https://www.windy.com) indicated the temperature of the clouds at that location was 258 K, an error of 6 K. The radio wave propagation in the area on the 10 m band was very poor today with only a limited number of spots received late in the day. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue Southeast toward Norway.

May 5, 2025, at 1938 UTC the balloon was 50 miles East of Myggbukta, Greenland. The balloon/payload status is nominal, with a speed of 31 MPH (50 KPH) at an altitude of 41,076' (12,520 m). The Infrared (IR) temperature sensor reading below the balloon at the time was 262 K. The satellite image from [windy.com](https://www.windy.com) indicated the temperature of the clouds at that location was 267 K, an error of 5 K. The radio wave propagation in the area on the 10 m band was very poor today with only a limited number of spots received late in the day. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will soon turn Southeast toward Norway.

May 3, 2025, at 2008 UTC the balloon was crossing over the Southernmost tip of Greenland. The balloon/payload status is nominal, with a speed of 23 MPH (37 KPH) at an altitude of 41,470' (12,640 m). The radio wave propagation in the area on the 10 m band was very poor today with only 6 spots received late in the day. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue to move slowly Northeast along the Greenland coastline before turning back South toward Norway.

May 2, 2025, at 1308 UTC the balloon was 400 miles (645 Km) Southwest of Greenland. The balloon/payload status is nominal, with a speed of 17 MPH (27 KPH) at an altitude of 41,601' (12,680 m). The radio wave propagation on 10 m band is poor today with very few spots received. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue to move slowly Northeast toward Greenland.

May 1, 2025, at 1208 UTC the balloon was 100 miles (161 Km) Northeast of Newfoundland. The balloon/payload status is nominal, with a speed of 9 MPH (15 KPH) at an altitude of 41,667' (12,700 m). Radio wave propagation on 10 m is poor today with very few spots received for either balloon. The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue to move very slowly Northeast and then back Southeast in the same general area.

April 29, 2025, at 1248 UTC the balloon woke up along the border of Colorado and Nebraska. The balloon/payload status is nominal, with a speed of 41 MPH (67 KPH) at an altitude of 42,782' (13040 m). The [SondeHub](https://sondehub.com) tracking website forecasts the balloon will continue to move Northeast and then East along the US/Canada border.

April 28, 2025, at 1438 UTC (0738 PDT) TALARC ALP40-I was launched from the Boulder City Dry Lakebed. It can be tracked [HERE](#) . More to follow.

IR Sensor Object Temp (K)	262
IR Sensor PCB Temp (K)	257
Solar Panel Voltage	4.05