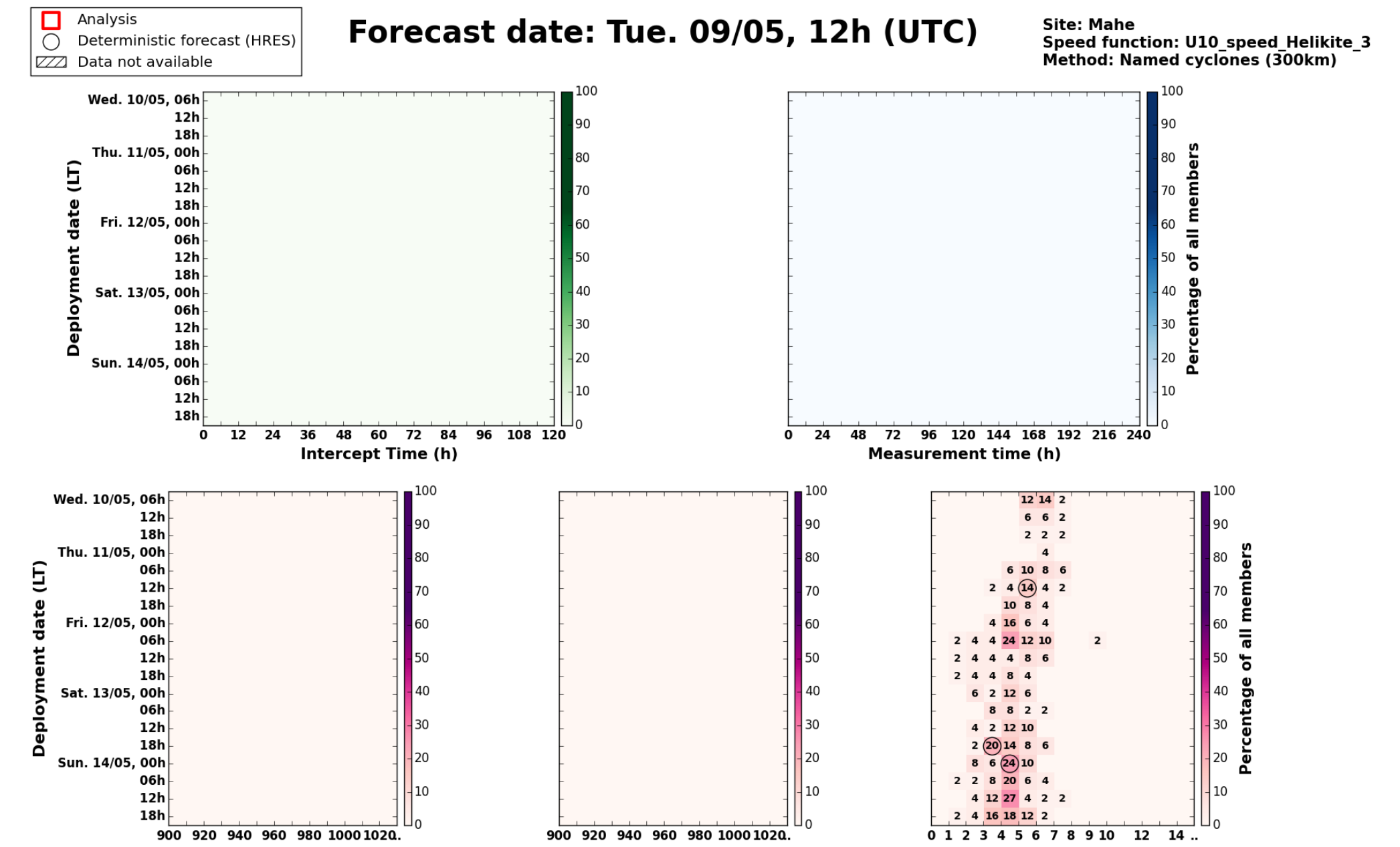
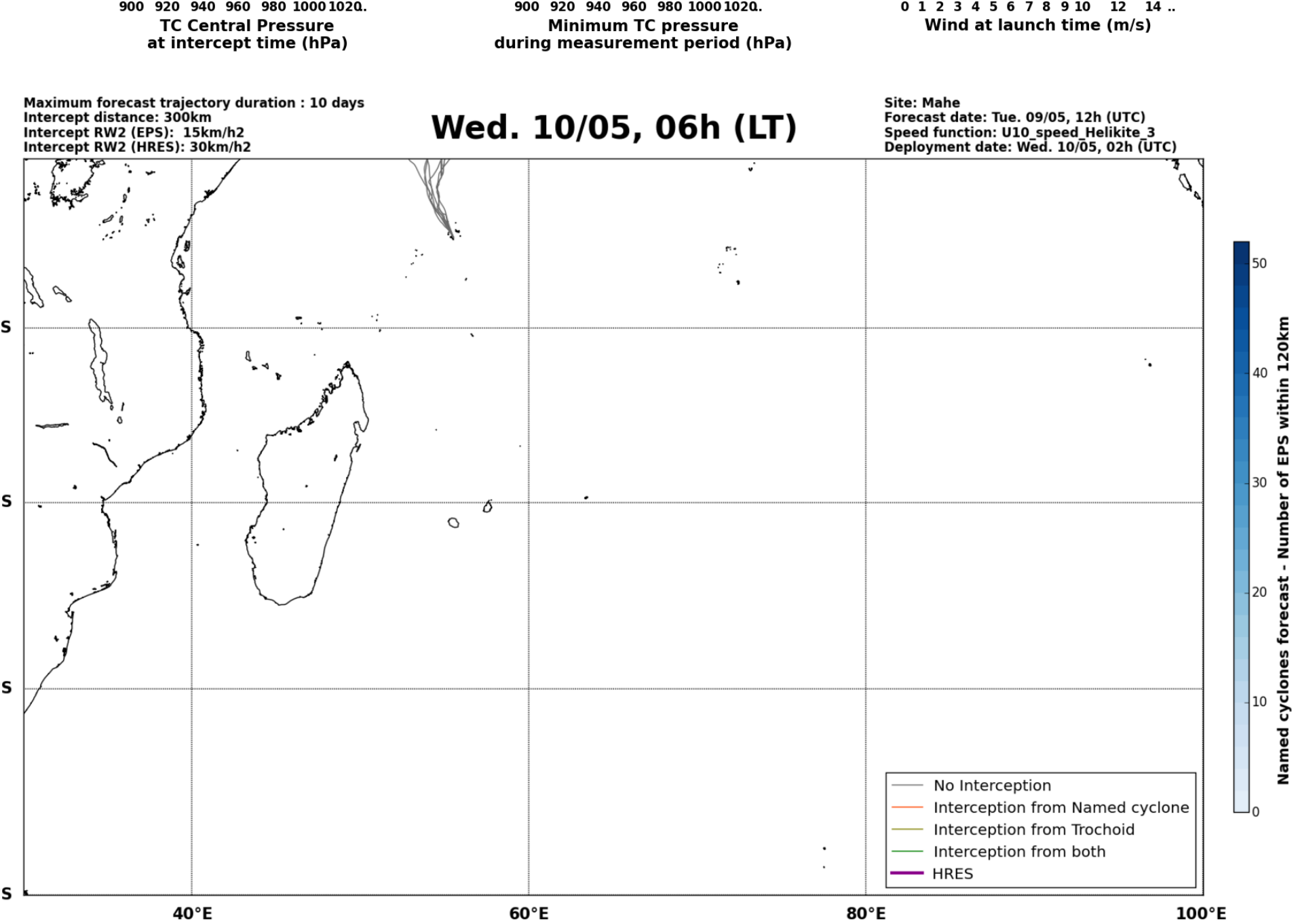
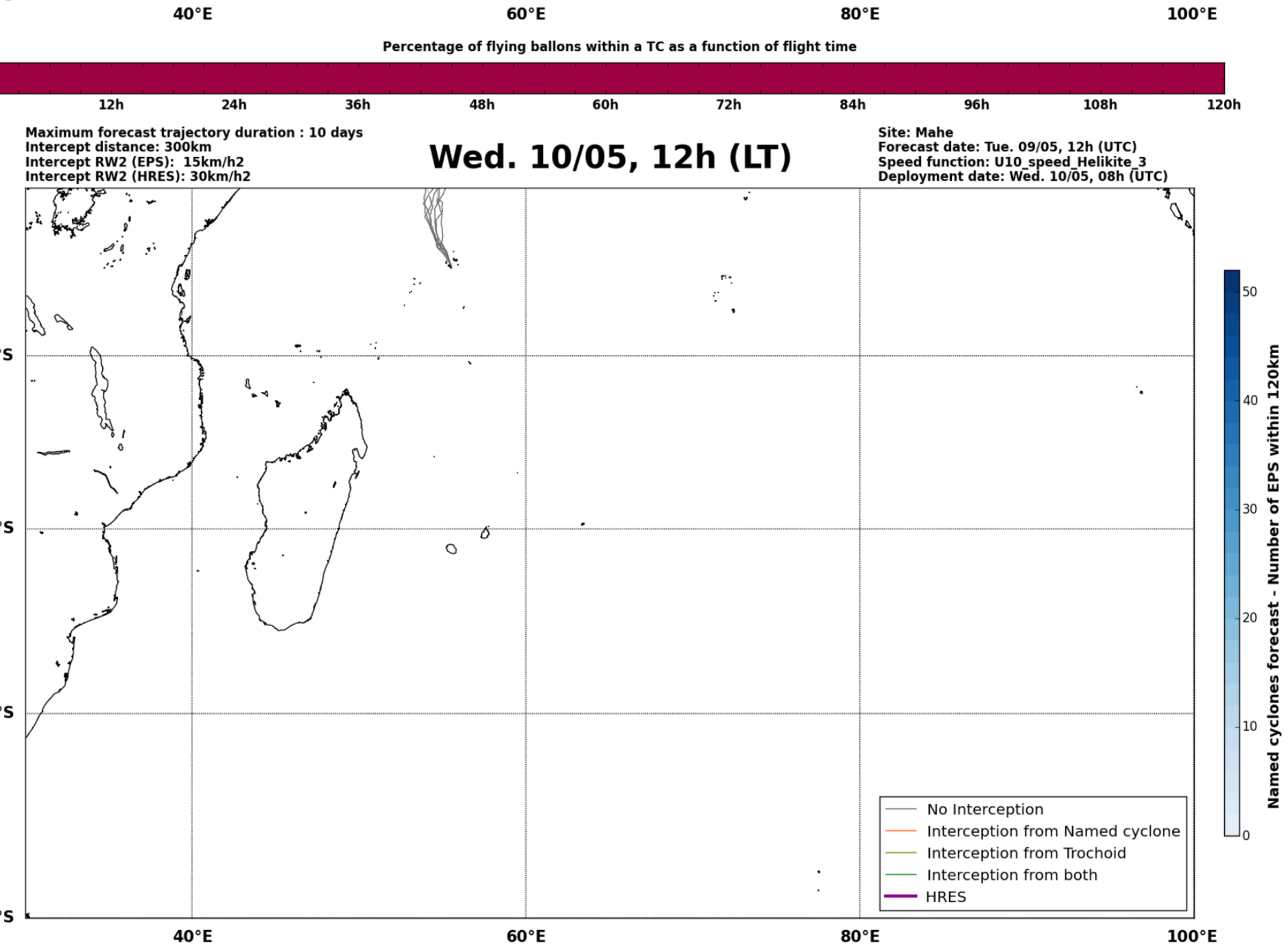
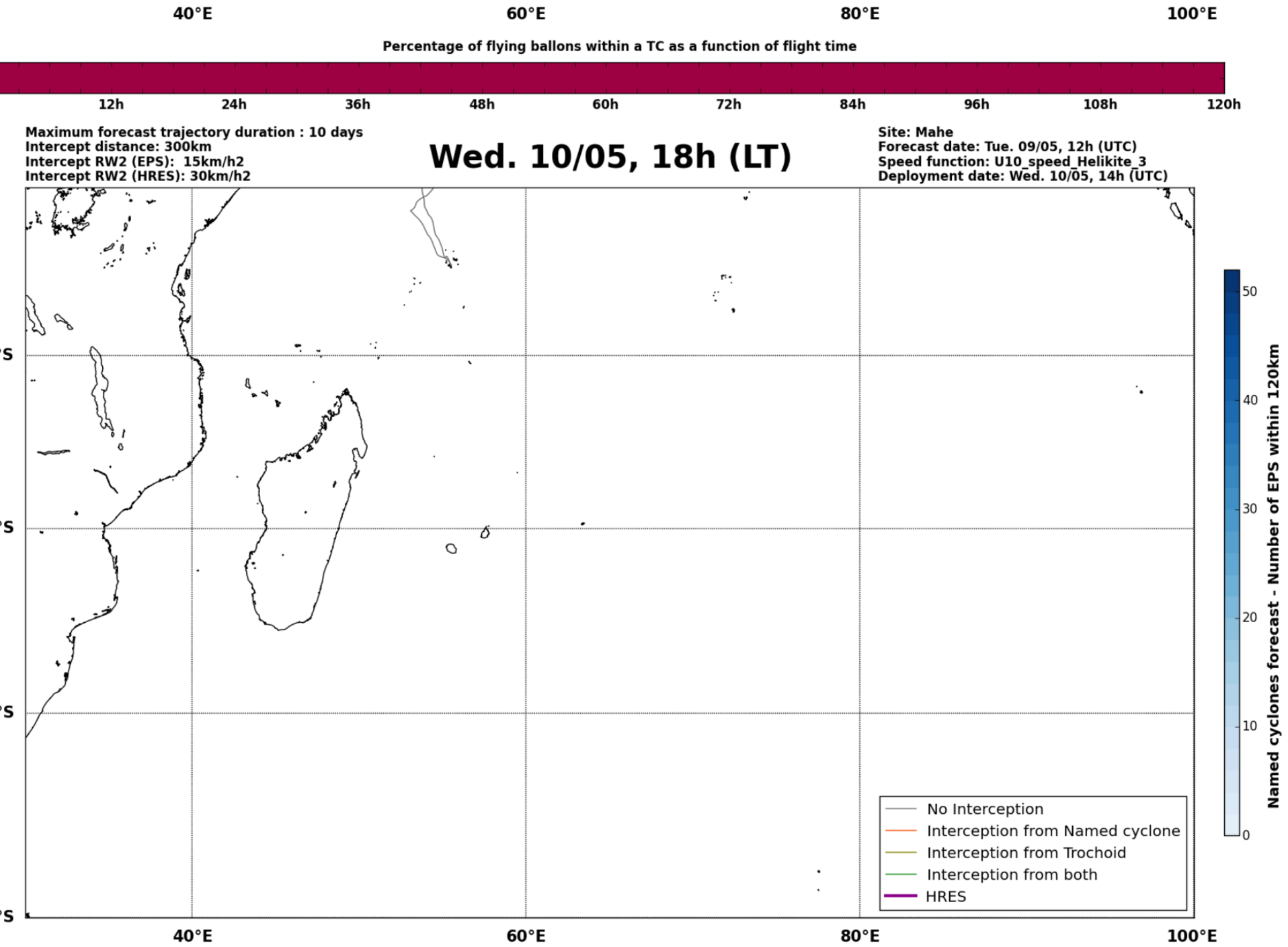
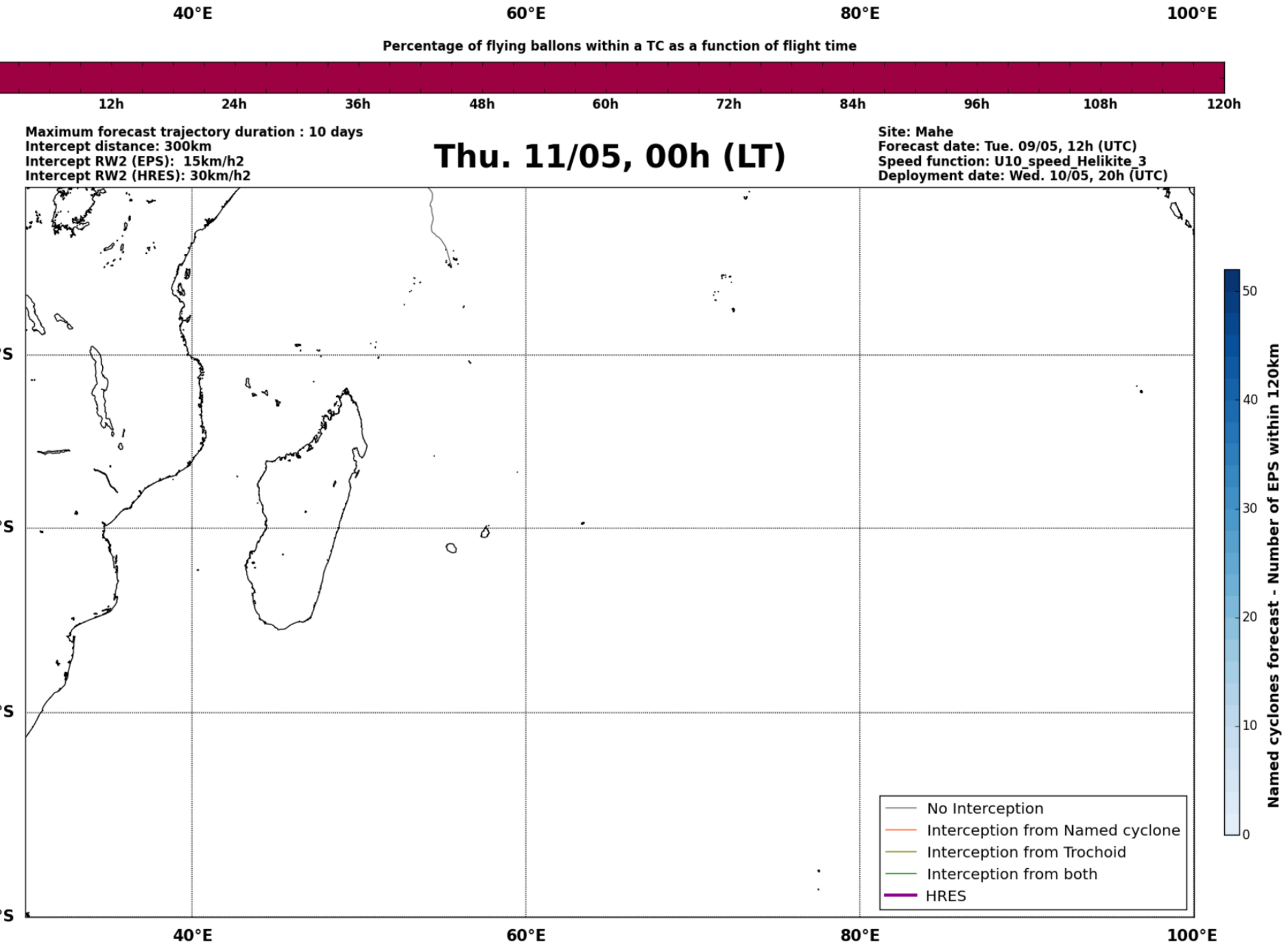
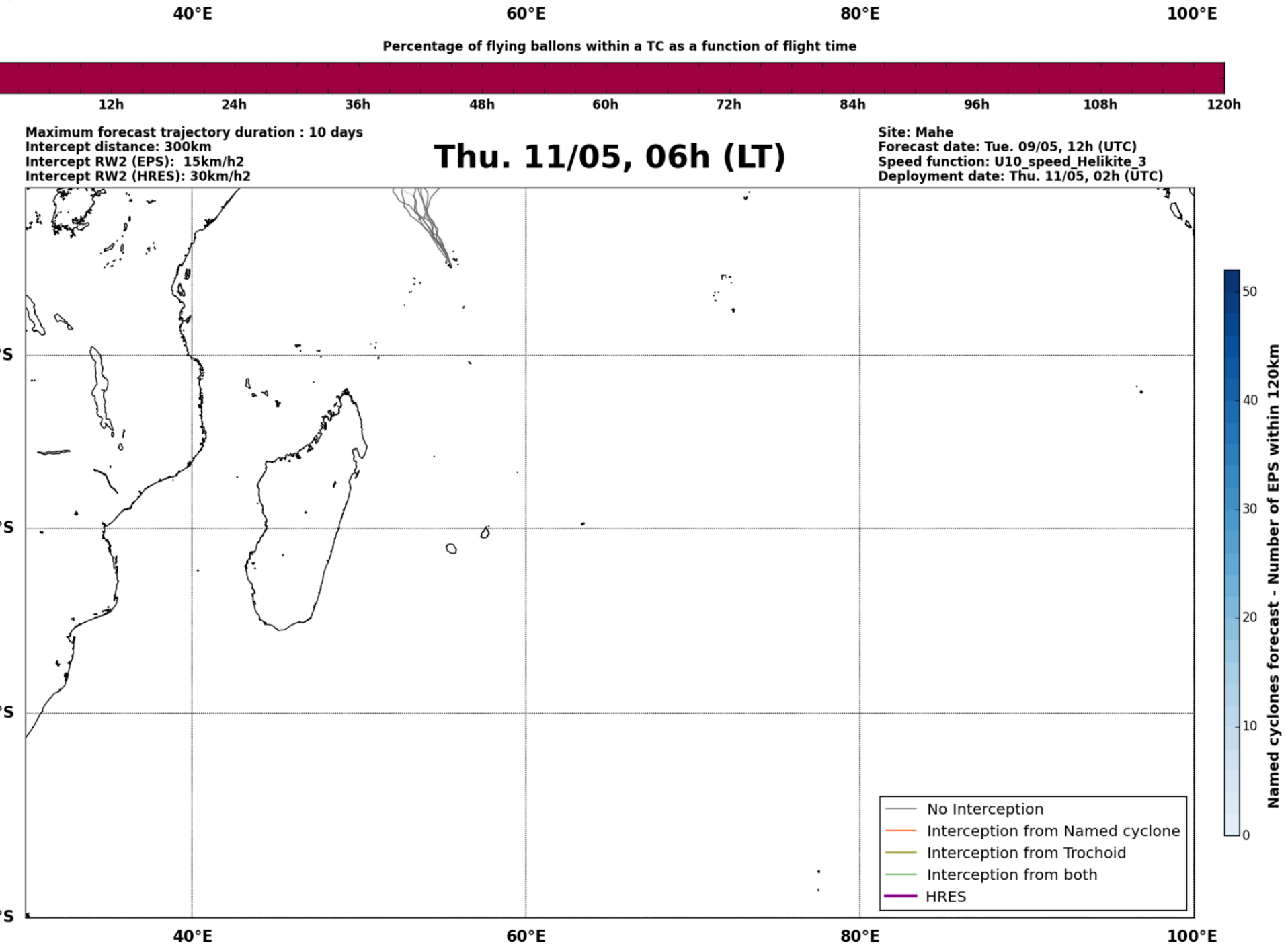

Analysis
Deterministic forecast (HRES)
Data not available
Forecast date: Tue. 09/05, 12h (UTC)
Site: Mahe
Speed function: U10_speed_Helikite_3
Method: Named cyclones (300km)
Deployment date (LT)
Wed. 10/05, 06h
12h
18h
Thu. 11/05, 00h
06h
12h
18h
Fri. 12/05, 00h
06h
12h
18h
Sat. 13/05, 00h
06h
12h
18h
Sun. 14/05, 00h
06h
12h
18h
Intercept Time (h)
0 12 24 36 48 60 72 84 96 108 120
Measurement time (h)
0 24 48 72 96 120 144 168 192 216 240
Percentage of all members
0 10 20 30 40 50 60 70 80 90 100
TC Central Pressure at intercept time (hPa)
900 920 940 960 980 1000 1020
Minimum TC pressure during measurement period (hPa)
900 920 940 960 980 1000 1020
Wind at launch time (m/s)
0 1 2 3 4 5 6 7 8 9 10 12 14
12 14 2
6 6 2
2 2 2
4
6 10 8 6
2 4 14 4 2
10 8 4
4 16 6 4
2 4 4 24 12 10 2
2 4 4 4 8 6
2 4 4 8 4
6 2 12 6
8 8 2 2
4 2 12 10
2 20 14 8 6
8 6 24 10
2 2 8 20 6 4
4 12 27 4 2 2
2 4 16 18 12 2

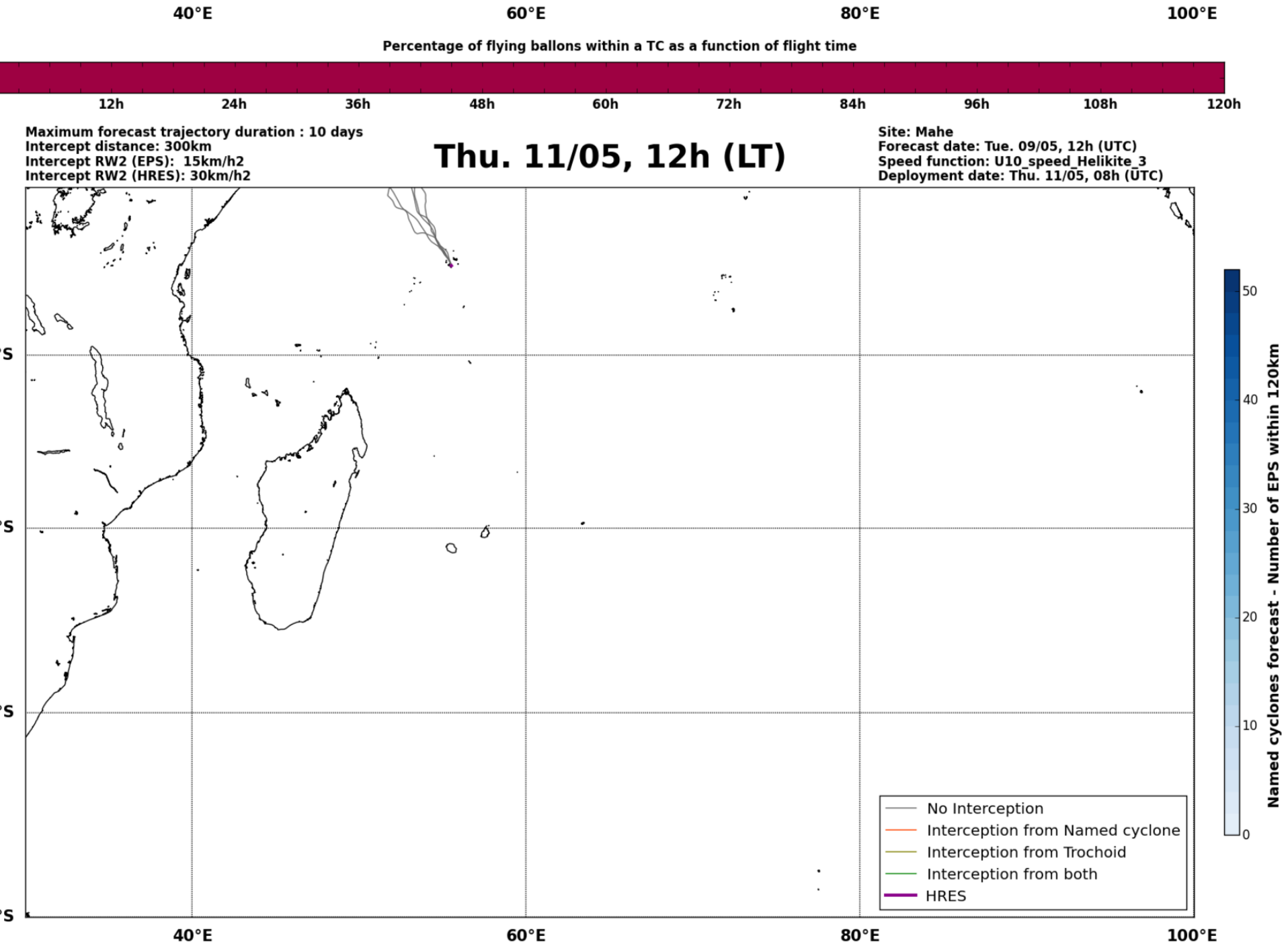

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Wed. 10/05, 06h (LT)
Site: Mahe
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Wed. 10/05, 02h (UTC)
10°S
20°S
30°S
40°S
40°E
60°E
80°E
100°E
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Named cyclones forecast - Number of EPS within 120km
0 10 20 30 40 50
Percentage of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

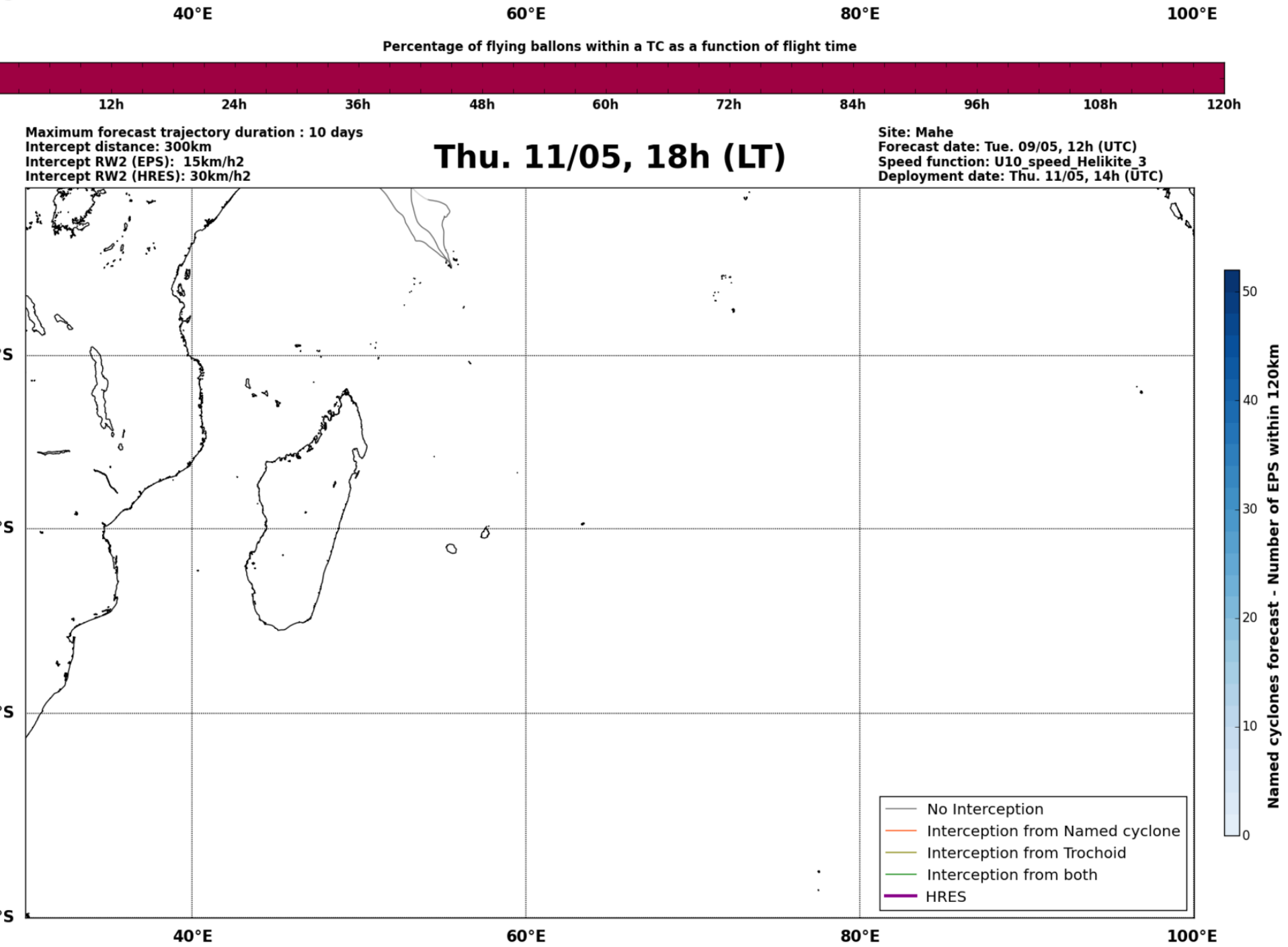

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Wed. 10/05, 12h (LT)
Site: Mahe
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Wed. 10/05, 08h (UTC)
10°S
20°S
30°S
40°S
40°E
60°E
80°E
100°E
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Named cyclones forecast - Number of EPS within 120km
0 10 20 30 40 50
Percentage of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

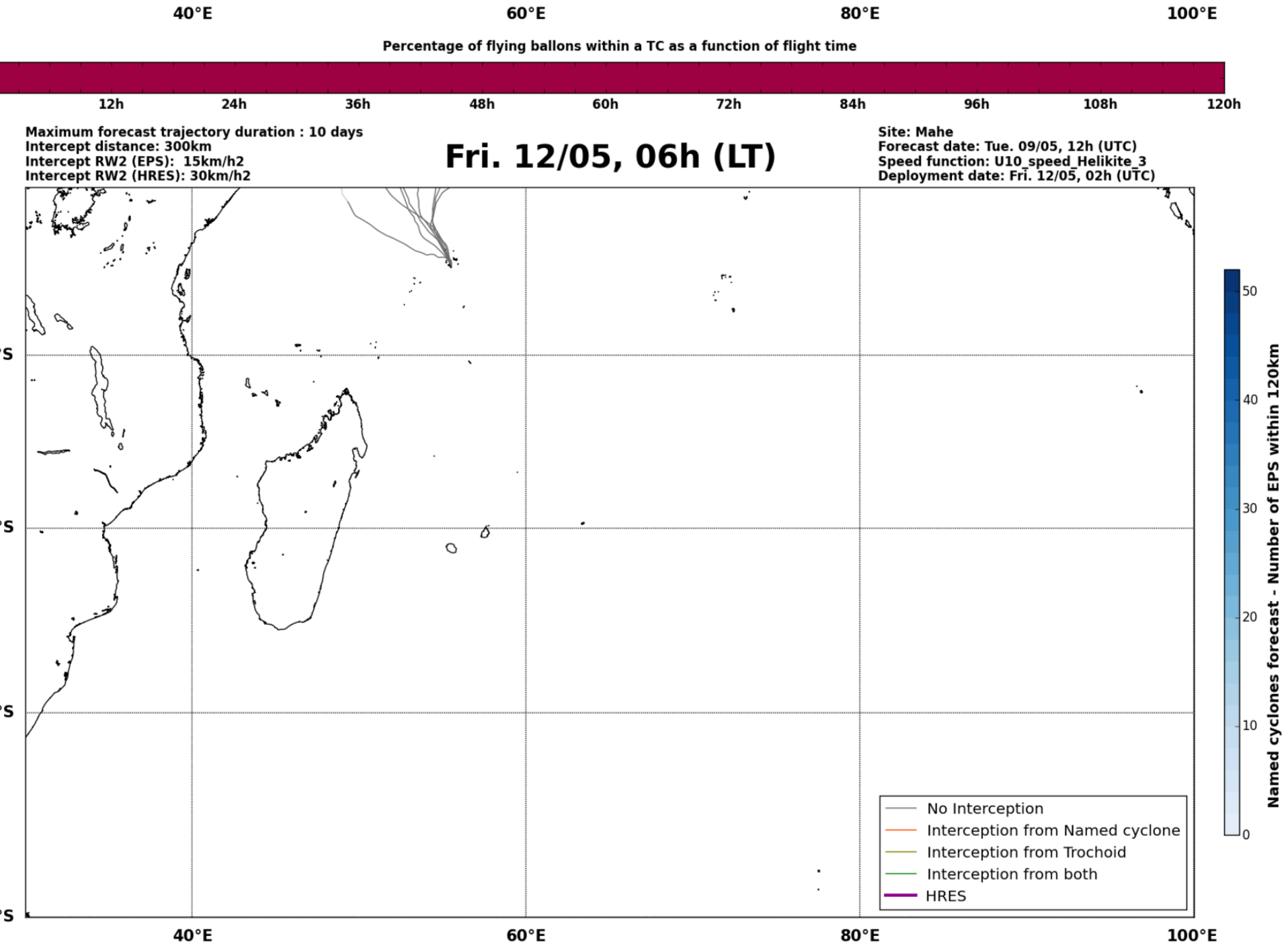

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Wed. 10/05, 18h (LT)
Site: Mahe
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Wed. 10/05, 14h (UTC)
10°S
20°S
30°S
40°S
40°E
60°E
80°E
100°E
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Named cyclones forecast - Number of EPS within 120km
0 10 20 30 40 50
Percentage of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

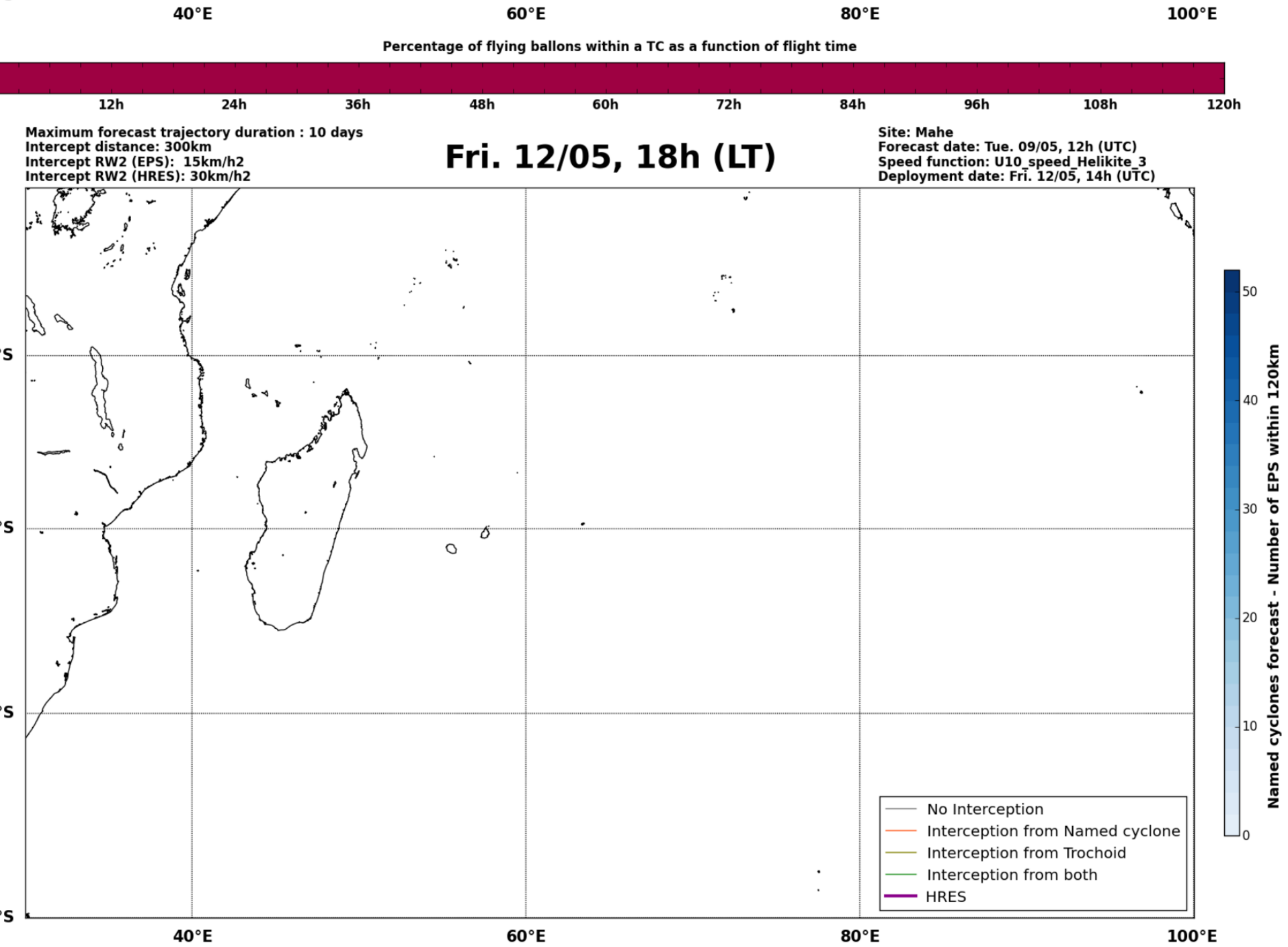

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Thu. 11/05, 00h (LT)
Site: Mahe
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Wed. 10/05, 20h (UTC)
10°S
20°S
30°S
40°S
40°E
60°E
80°E
100°E
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Named cyclones forecast - Number of EPS within 120km
0 10 20 30 40 50
Percentage of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

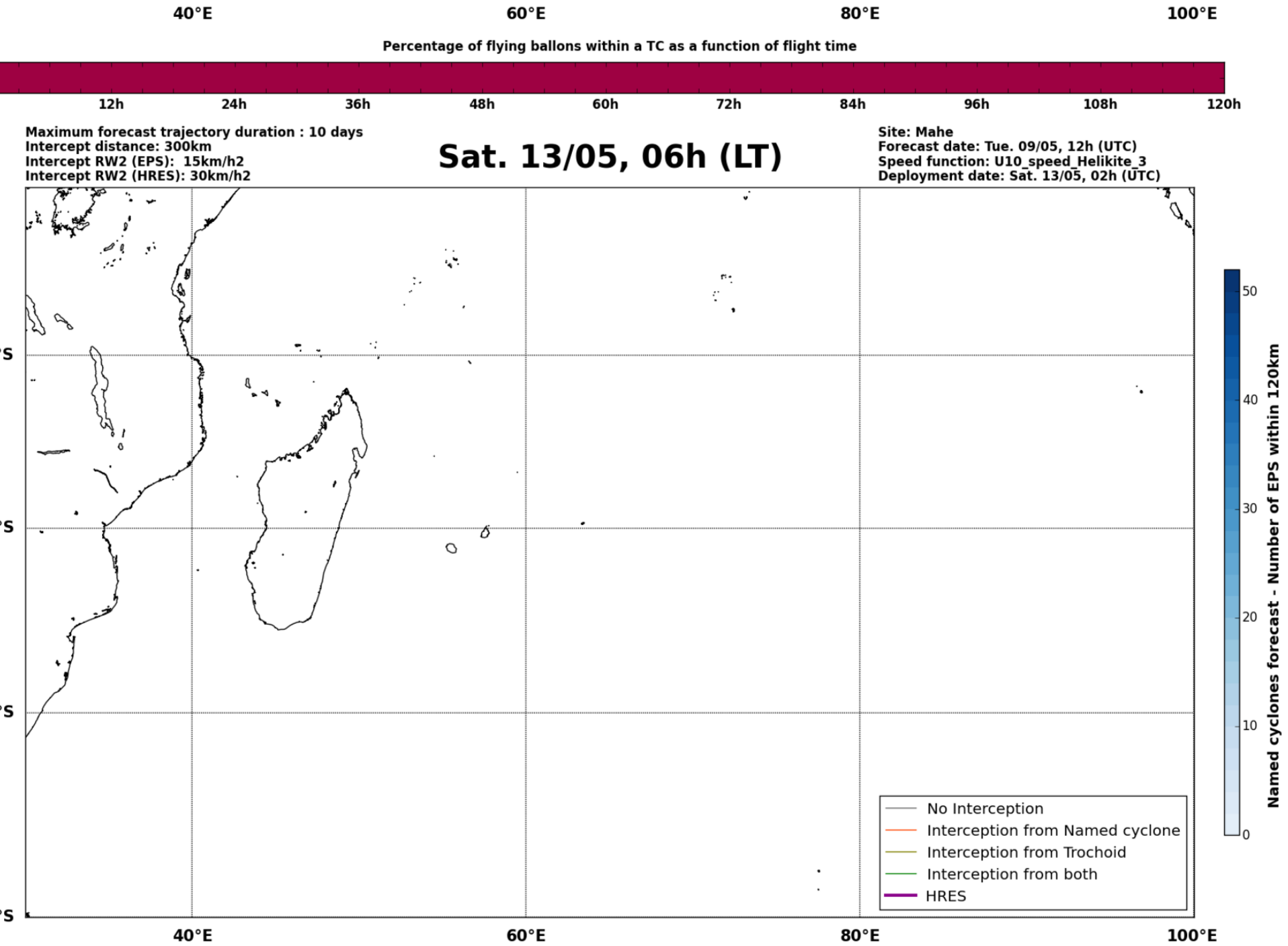

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Thu. 11/05, 06h (LT)
Site: Mahe
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Thu. 11/05, 02h (UTC)
10°S
20°S
30°S
40°S
40°E
60°E
80°E
100°E
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Named cyclones forecast - Number of EPS within 120km
0 10 20 30 40 50
Percentage of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

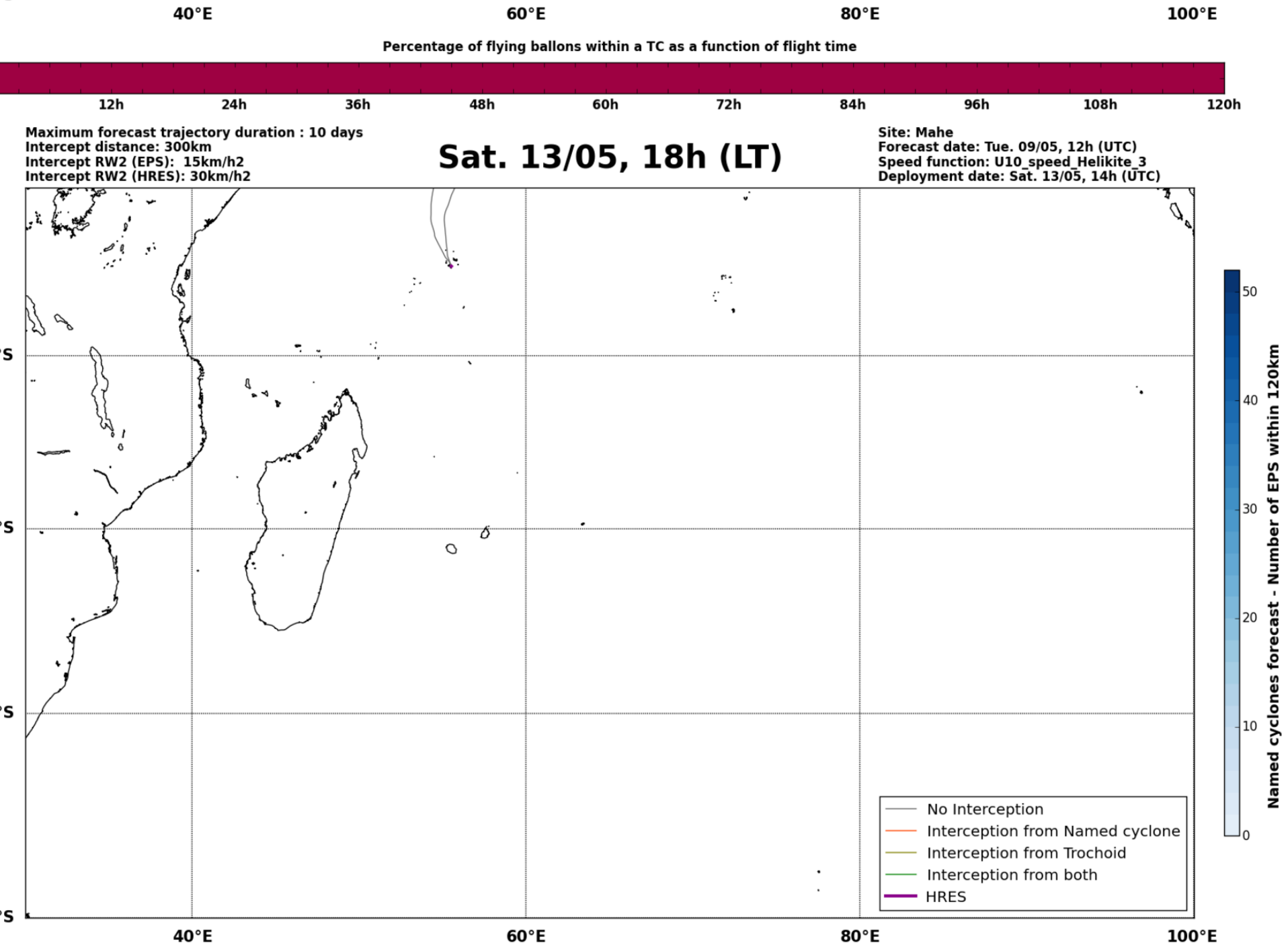

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Thu. 11/05, 12h (LT)
Site: Mahe
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Thu. 11/05, 08h (UTC)
10°S
20°S
30°S
40°S
40°E
60°E
80°E
100°E
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Named cyclones forecast - Number of EPS within 120km
0 10 20 30 40 50
Percentage of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

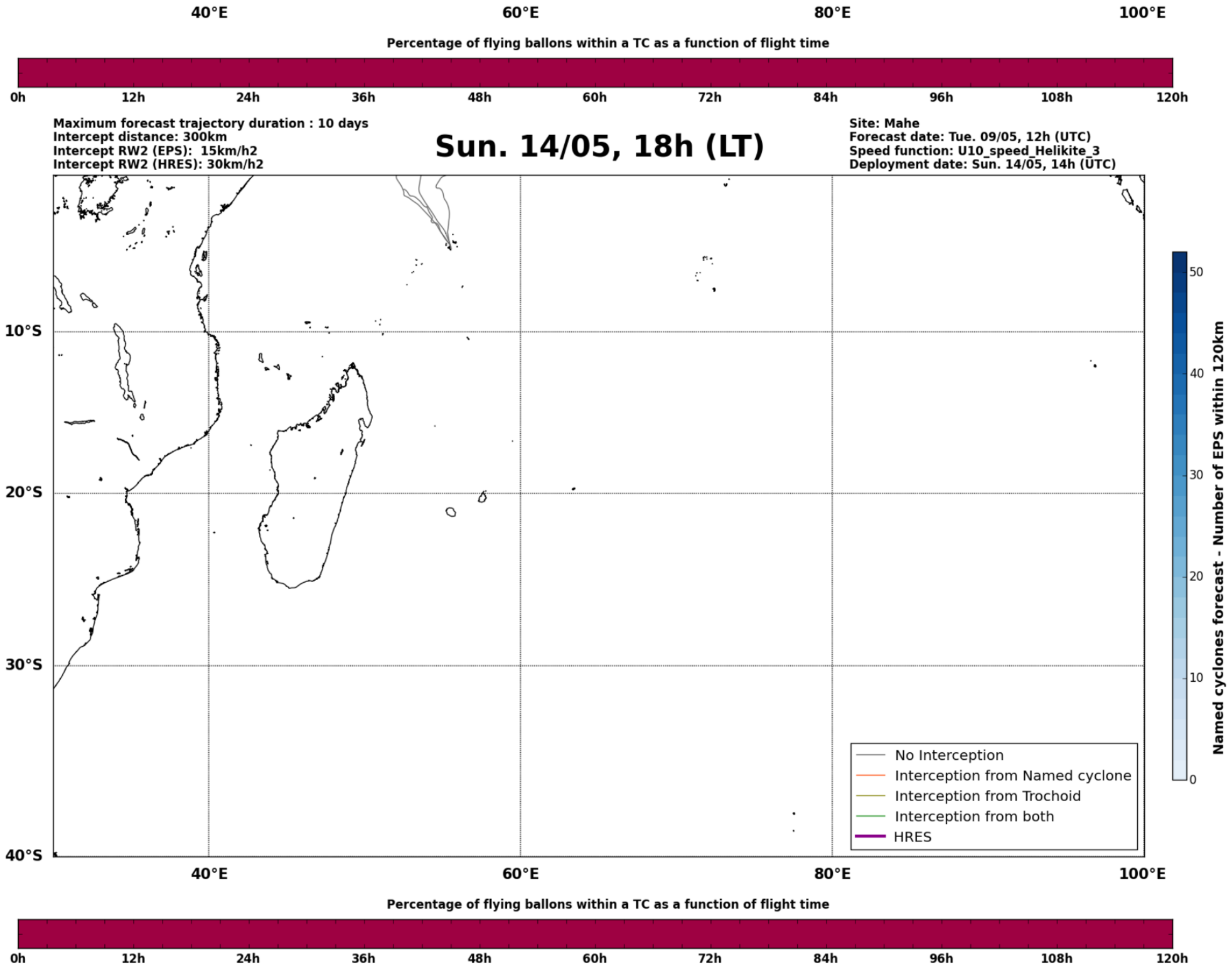

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Thu. 11/05, 18h (LT)
Site: Mahe
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Thu. 11/05, 14h (UTC)
10°S
20°S
30°S
40°S
40°E
60°E
80°E
100°E
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Named cyclones forecast - Number of EPS within 120km
0 10 20 30 40 50
Percentage of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

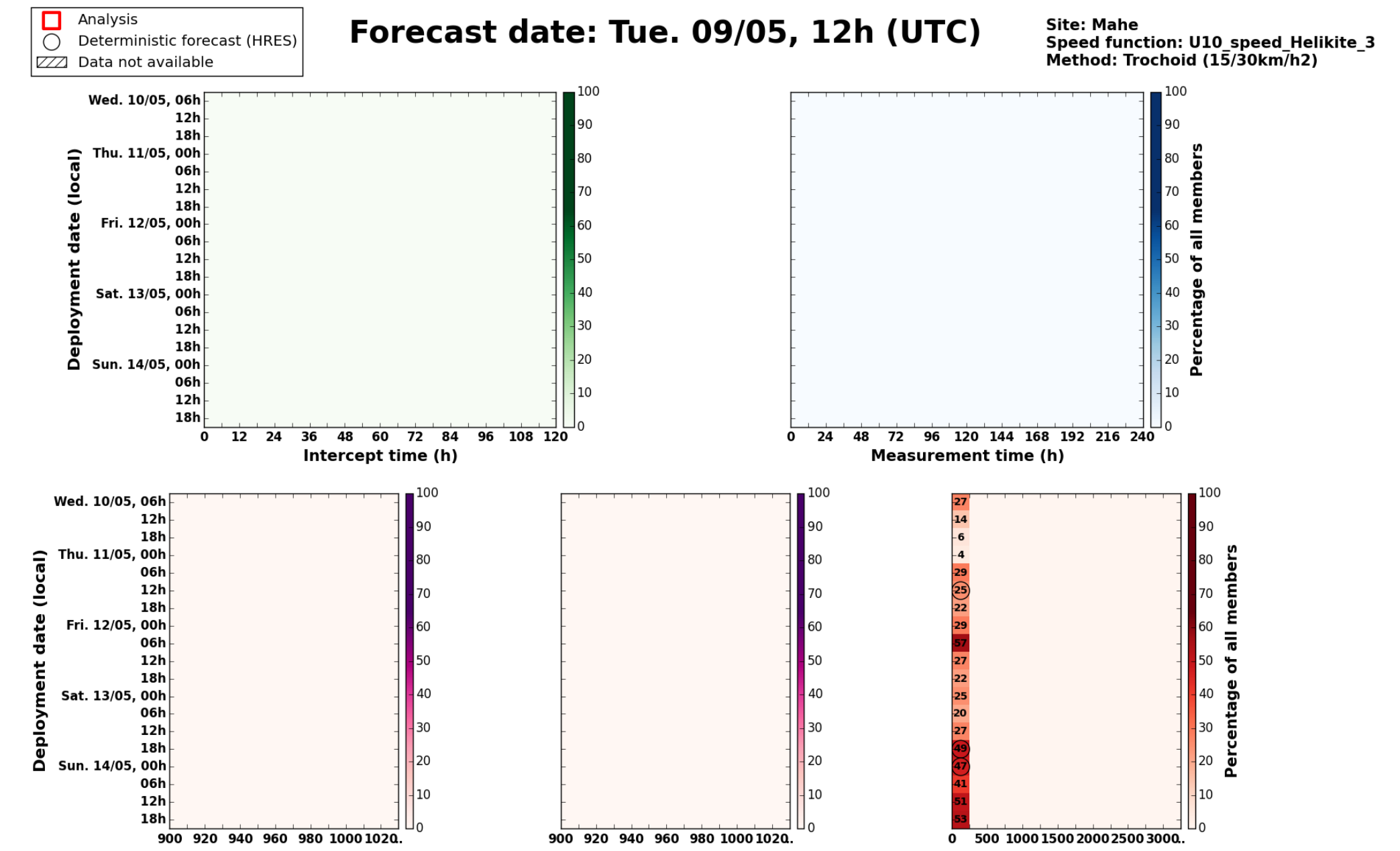

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Fri. 12/05, 06h (LT)
Site: Mahe
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Fri. 12/05, 02h (UTC)
10°S
20°S
30°S
40°S
40°E
60°E
80°E
100°E
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Named cyclones forecast - Number of EPS within 120km
0 10 20 30 40 50
Percentage of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

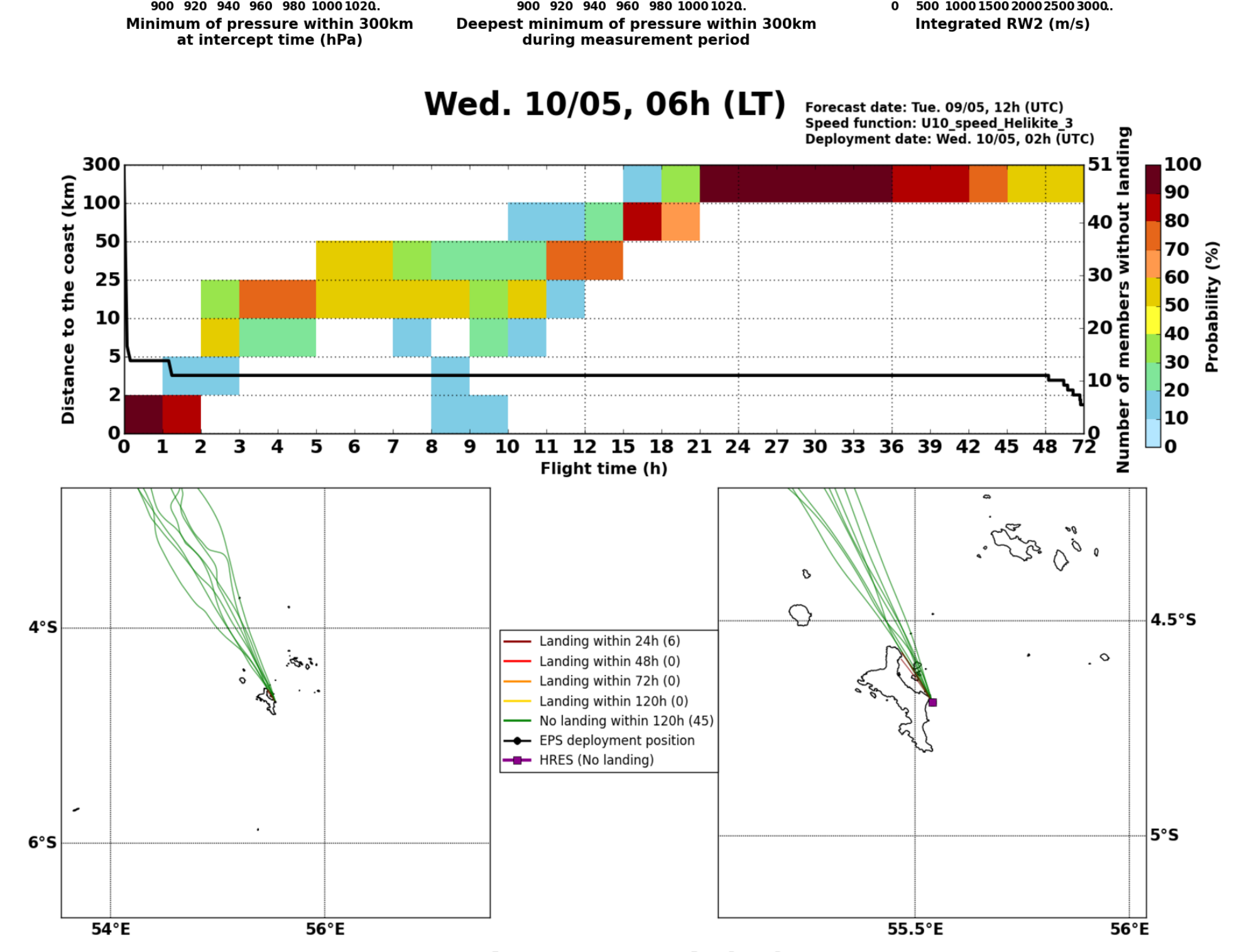

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Fri. 12/05, 18h (LT)
Site: Mahe
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Fri. 12/05, 14h (UTC)
10°S
20°S
30°S
40°S
40°E
60°E
80°E
100°E
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Named cyclones forecast - Number of EPS within 120km
0 10 20 30 40 50
Percentage of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

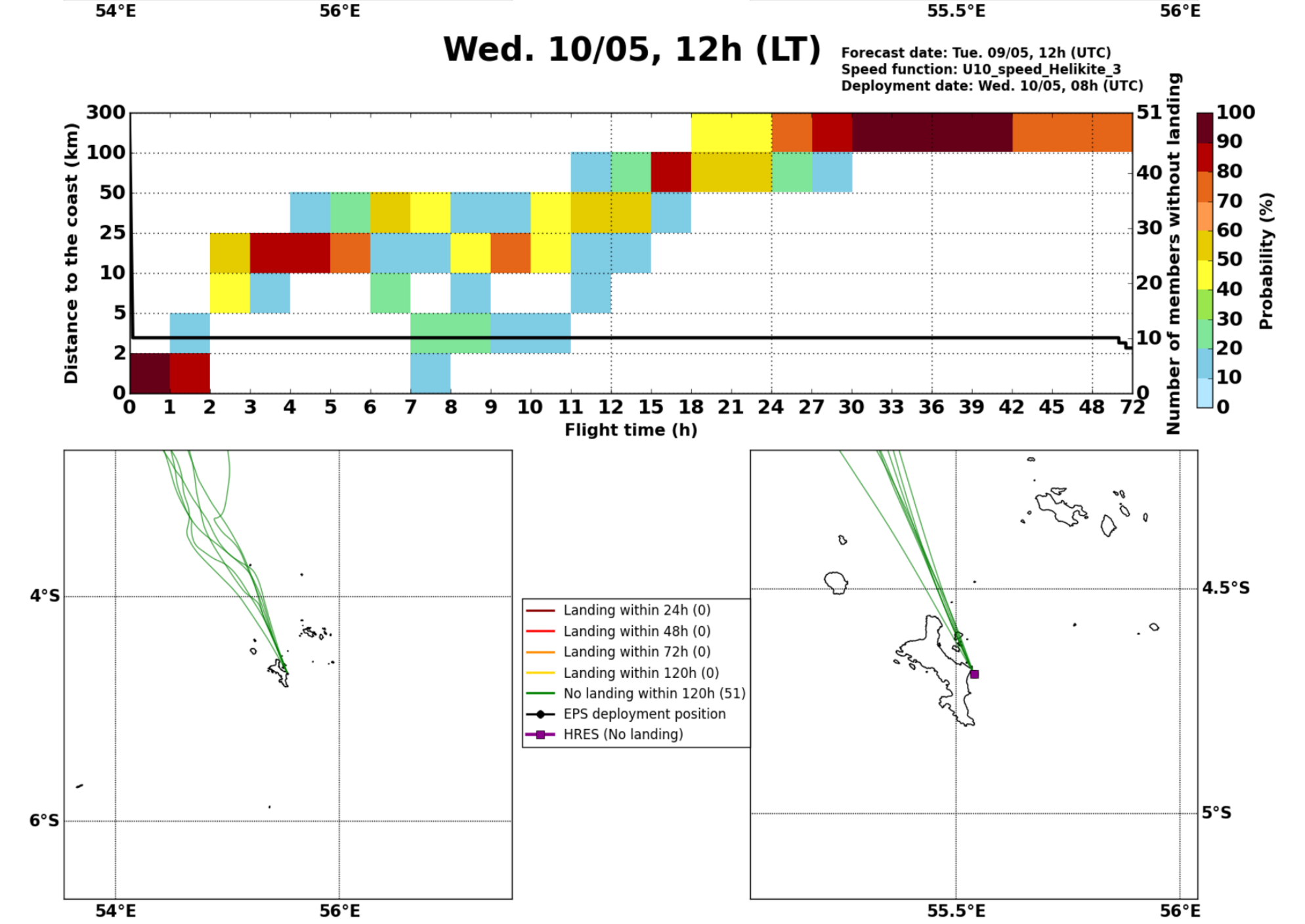

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Sat. 13/05, 06h (LT)
Site: Mahe
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Sat. 13/05, 02h (UTC)
10°S
20°S
30°S
40°S
40°E
60°E
80°E
100°E
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Named cyclones forecast - Number of EPS within 120km
0 10 20 30 40 50
Percentage of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

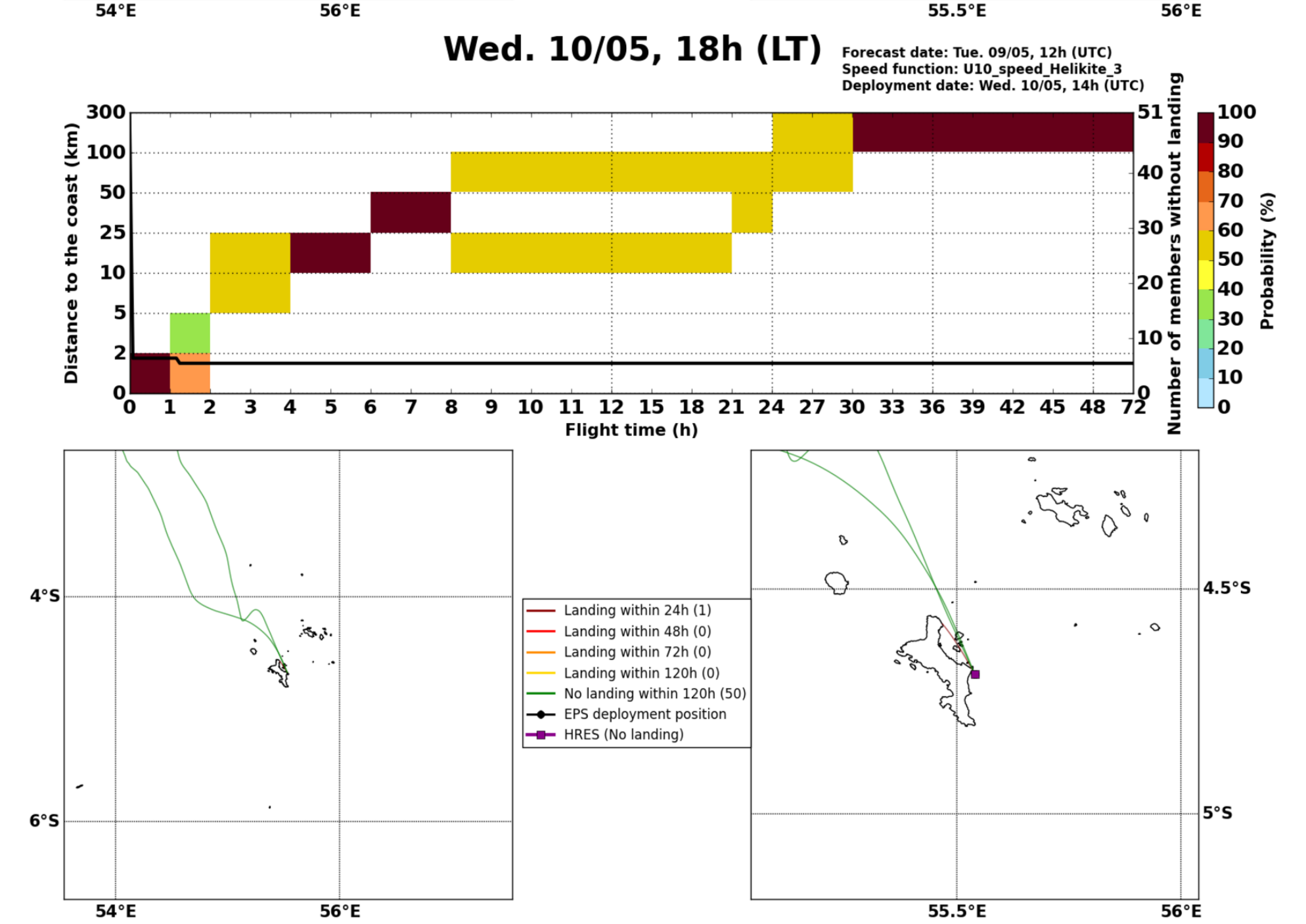

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Sat. 13/05, 18h (LT)
Site: Mahe
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Sat. 13/05, 14h (UTC)
10°S
20°S
30°S
40°S
40°E
60°E
80°E
100°E
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Named cyclones forecast - Number of EPS within 120km
0 10 20 30 40 50
Percentage of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

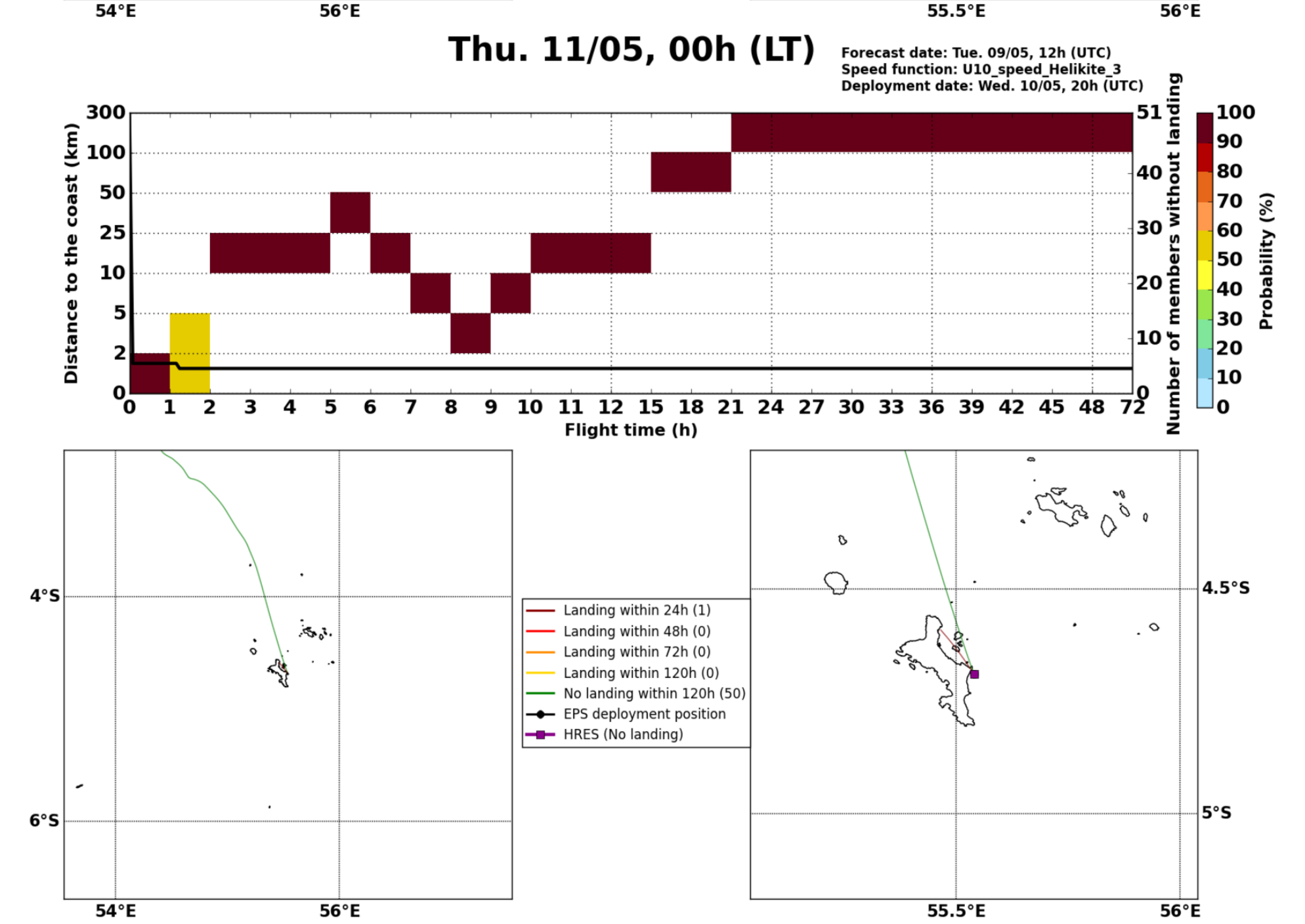

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Sun. 14/05, 18h (LT)
Site: Mahe
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Sun. 14/05, 14h (UTC)
10°S
20°S
30°S
40°S
40°E
60°E
80°E
100°E
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Named cyclones forecast - Number of EPS within 120km
0 10 20 30 40 50
Percentage of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

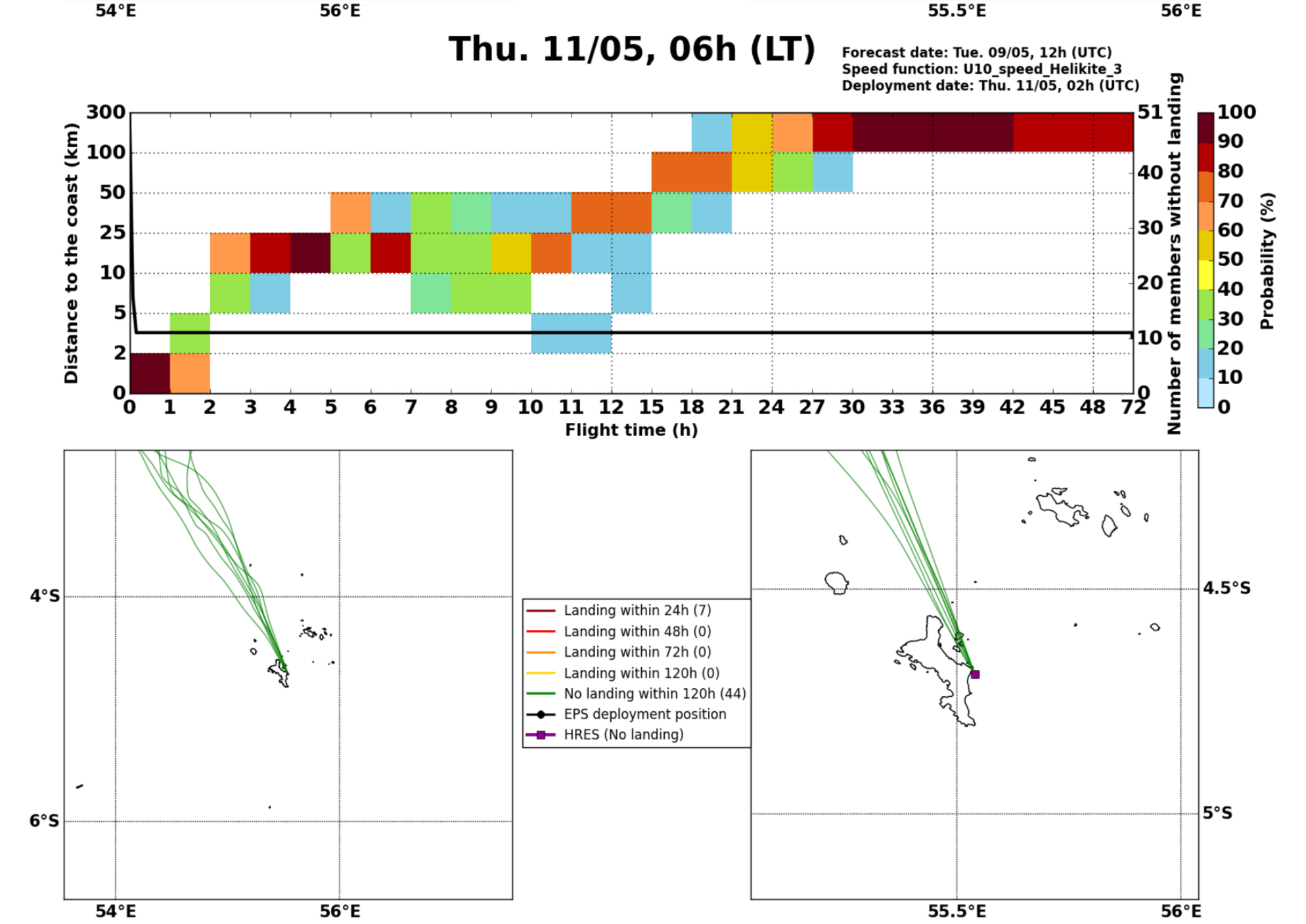

Analysis
Deterministic forecast (HRES)
Data not available
Forecast date: Tue. 09/05, 12h (UTC)
Site: Mahe
Speed function: U10_speed_Helikite_3
Method: Trochoid (15/30km/h2)
Deployment date (local)
Wed. 10/05, 06h
12h
18h
Thu. 11/05, 00h
06h
12h
18h
Fri. 12/05, 00h
06h
12h
18h
Sat. 13/05, 00h
06h
12h
18h
Sun. 14/05, 00h
06h
12h
18h
Intercept time (h)
0 12 24 36 48 60 72 84 96 108 120
Measurement time (h)
0 24 48 72 96 120 144 168 192 216 240
Percentage of all members
0 10 20 30 40 50 60 70 80 90 100
Minimum of pressure within 300km at intercept time (hPa)
900 920 940 960 980 1000 1020
Deepest minimum of pressure within 300km during measurement period
900 920 940 960 980 1000 1020
Integrated RW2 (m/s)
0 500 1000 1500 2000 2500 3000
27
14
6
4
29
25
22
29
57
27
22
25
20
27
49
47
41
51
53

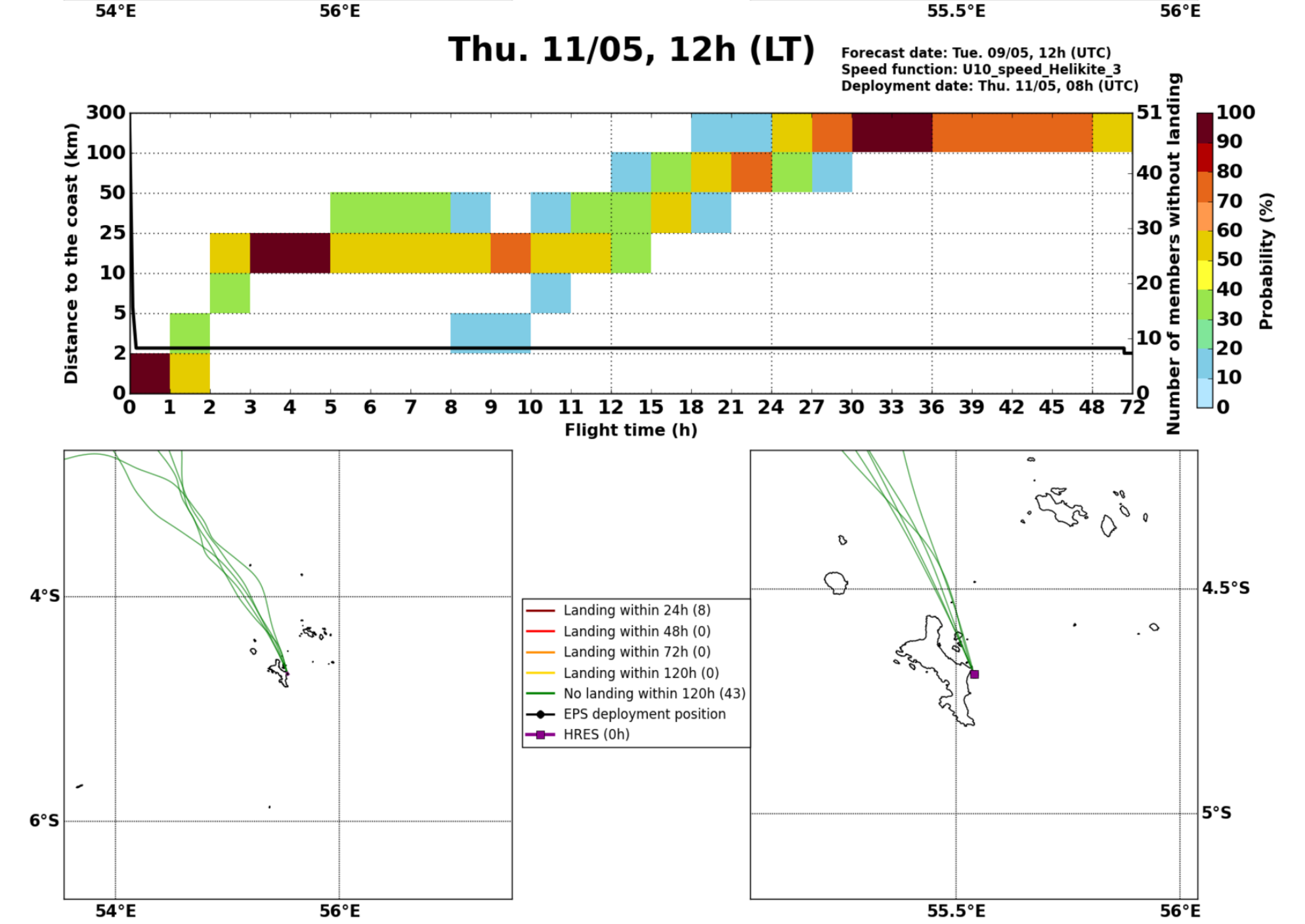

Wed. 10/05, 06h (LT)
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Wed. 10/05, 02h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
0 10 20 30 40 51
Probability (%)
0 10 20 30 40 50 60 70 80 90 100
4°S
6°S
54°E
56°E
Landing within 24h (6)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (45)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E

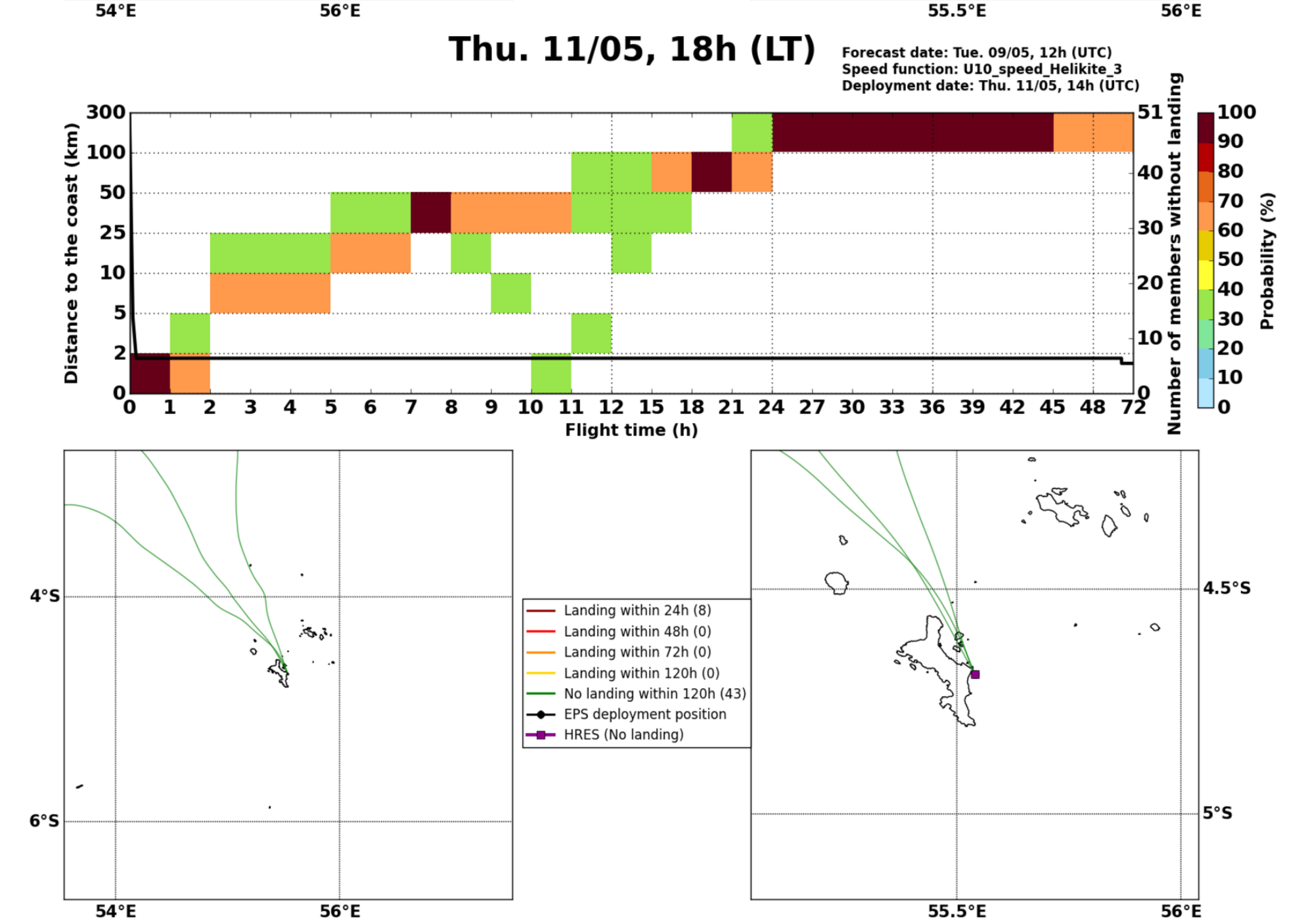

Wed. 10/05, 12h (LT)
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Wed. 10/05, 08h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
0 10 20 30 40 51
Probability (%)
0 10 20 30 40 50 60 70 80 90 100
4°S
6°S
54°E
56°E
Landing within 24h (0)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (51)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E

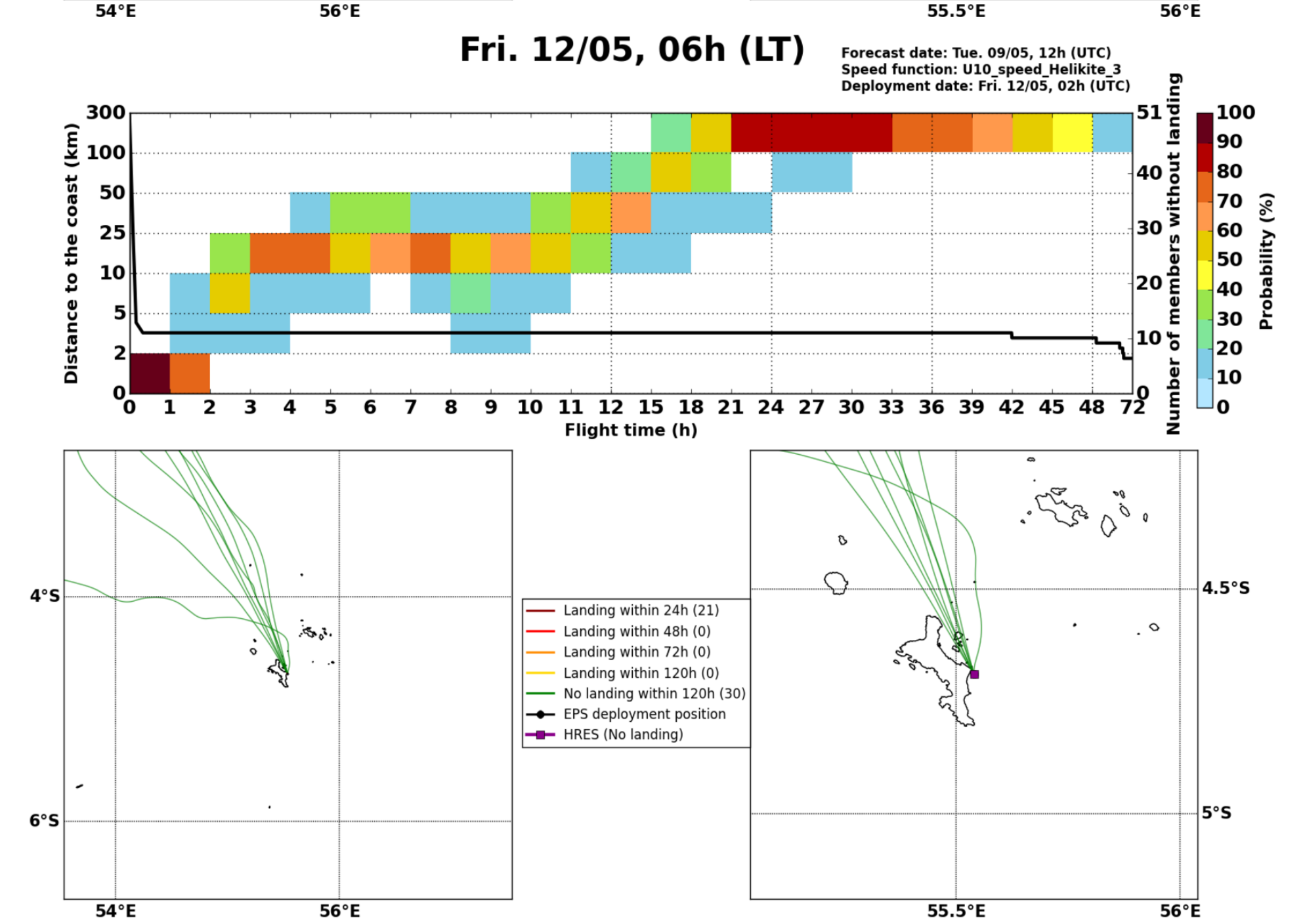

Wed. 10/05, 18h (LT)
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Wed. 10/05, 14h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
0 10 20 30 40 51
Probability (%)
0 10 20 30 40 50 60 70 80 90 100
4°S
6°S
54°E
56°E
Landing within 24h (1)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (50)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E

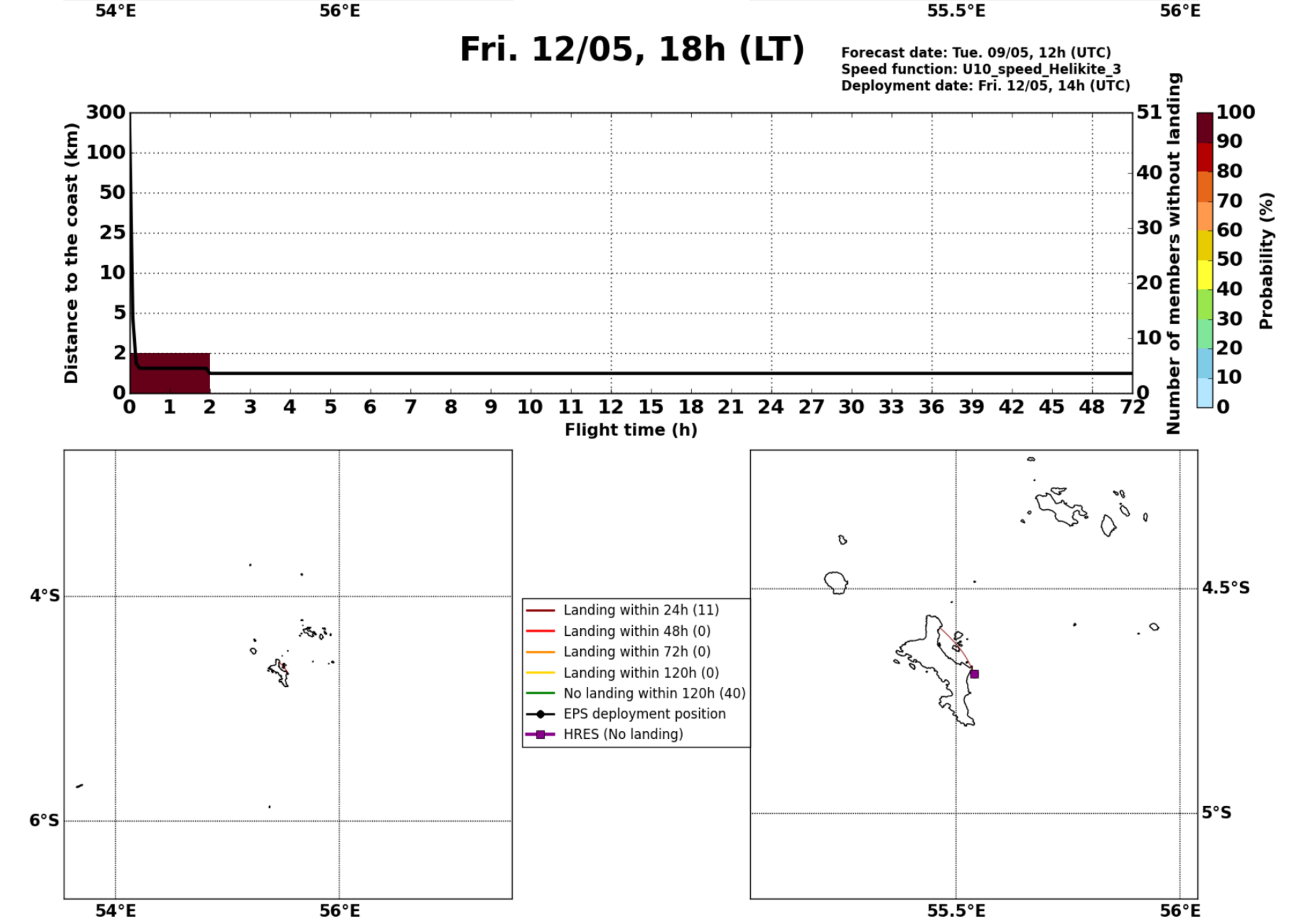

Thu. 11/05, 00h (LT)
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Wed. 10/05, 20h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
0 10 20 30 40 51
Probability (%)
0 10 20 30 40 50 60 70 80 90 100
4°S
6°S
54°E
56°E
Landing within 24h (1)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (50)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E

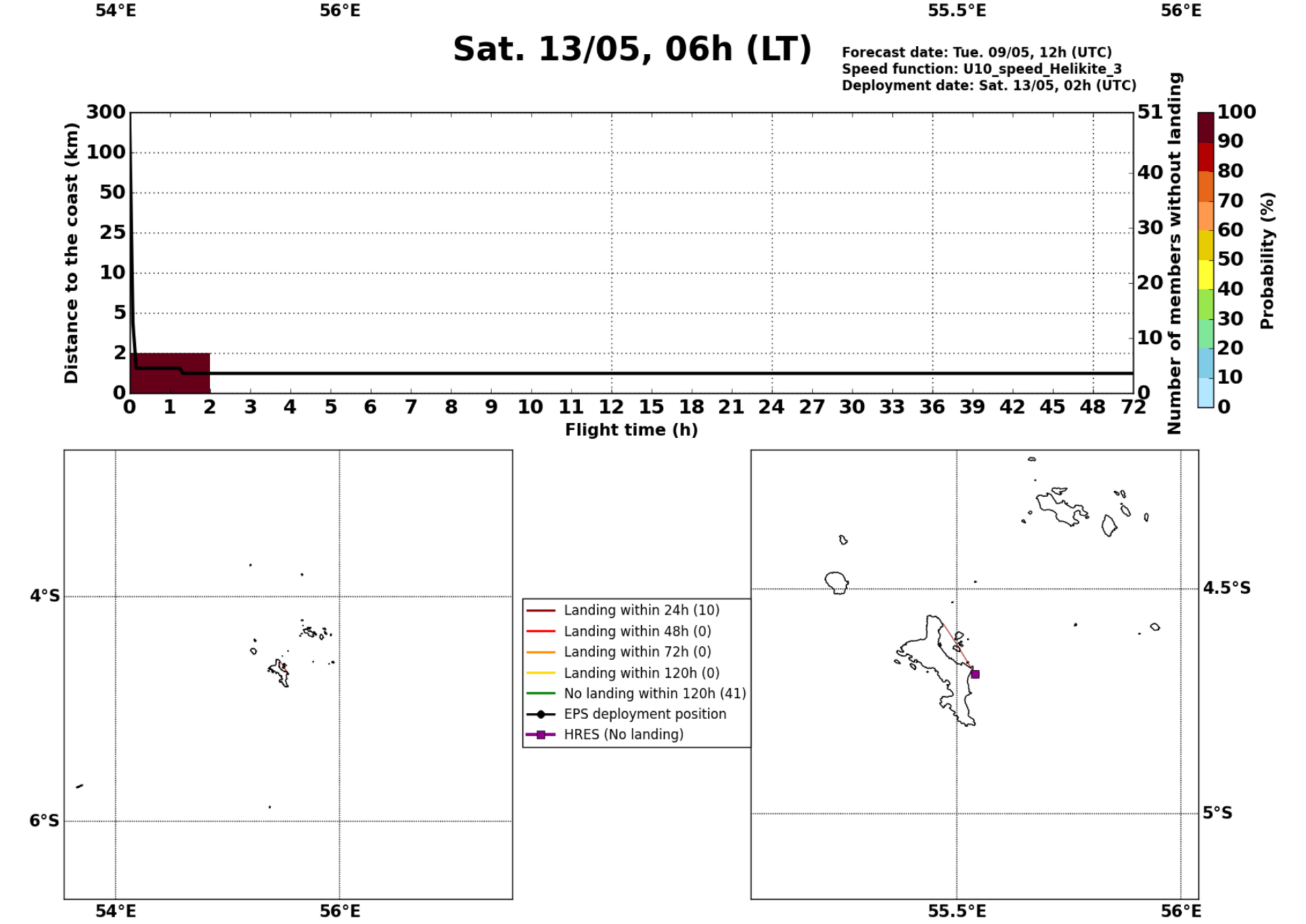

Thu. 11/05, 06h (LT)
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Thu. 11/05, 02h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
0 10 20 30 40 51
Probability (%)
0 10 20 30 40 50 60 70 80 90 100
4°S
6°S
54°E
56°E
Landing within 24h (7)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (44)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E

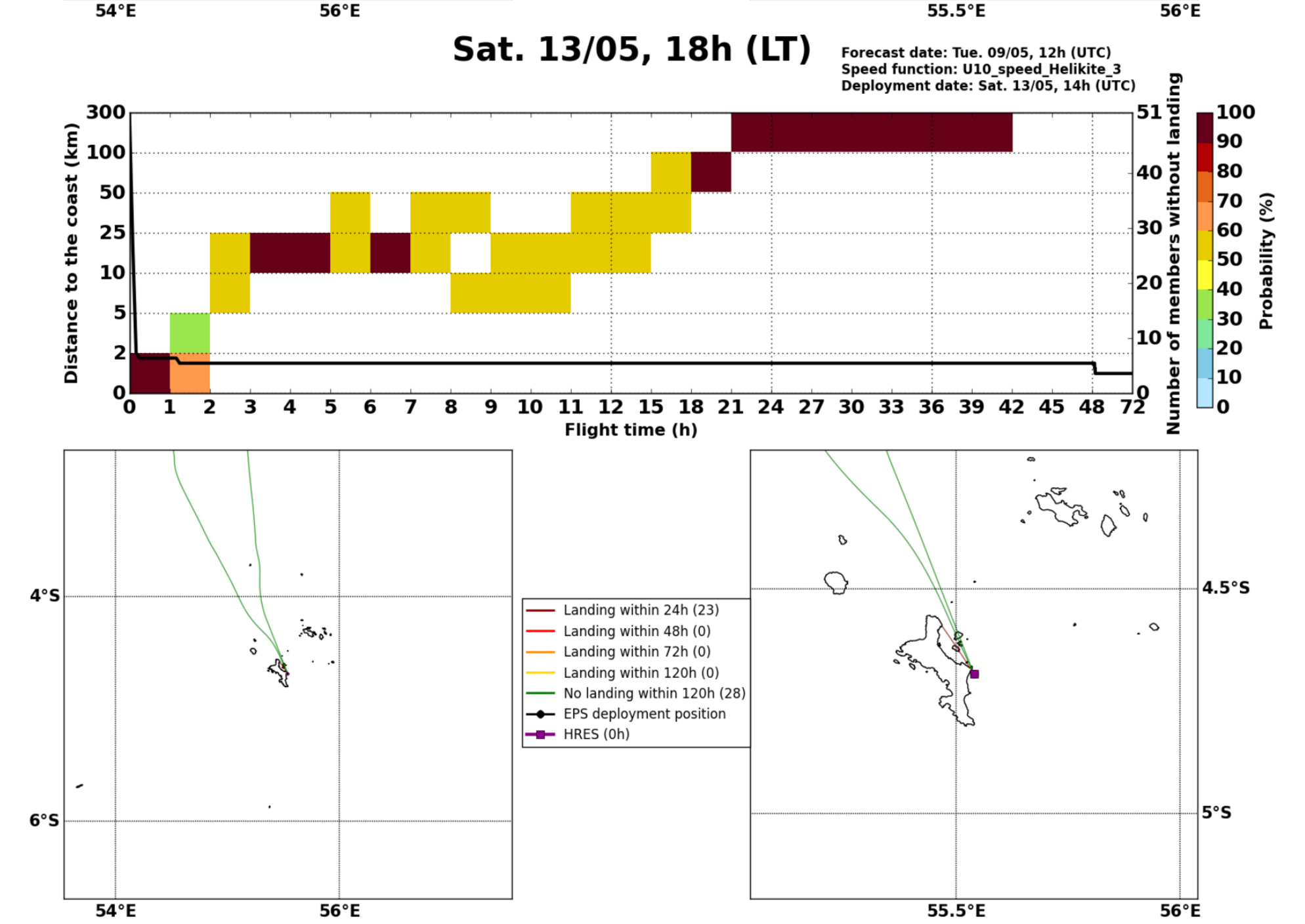

Thu. 11/05, 12h (LT)
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Thu. 11/05, 08h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
0 10 20 30 40 51
Probability (%)
0 10 20 30 40 50 60 70 80 90 100
4°S
6°S
54°E
56°E
Landing within 24h (8)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (43)
EPS deployment position
HRES (0h)
4.5°S
5°S
55.5°E
56°E

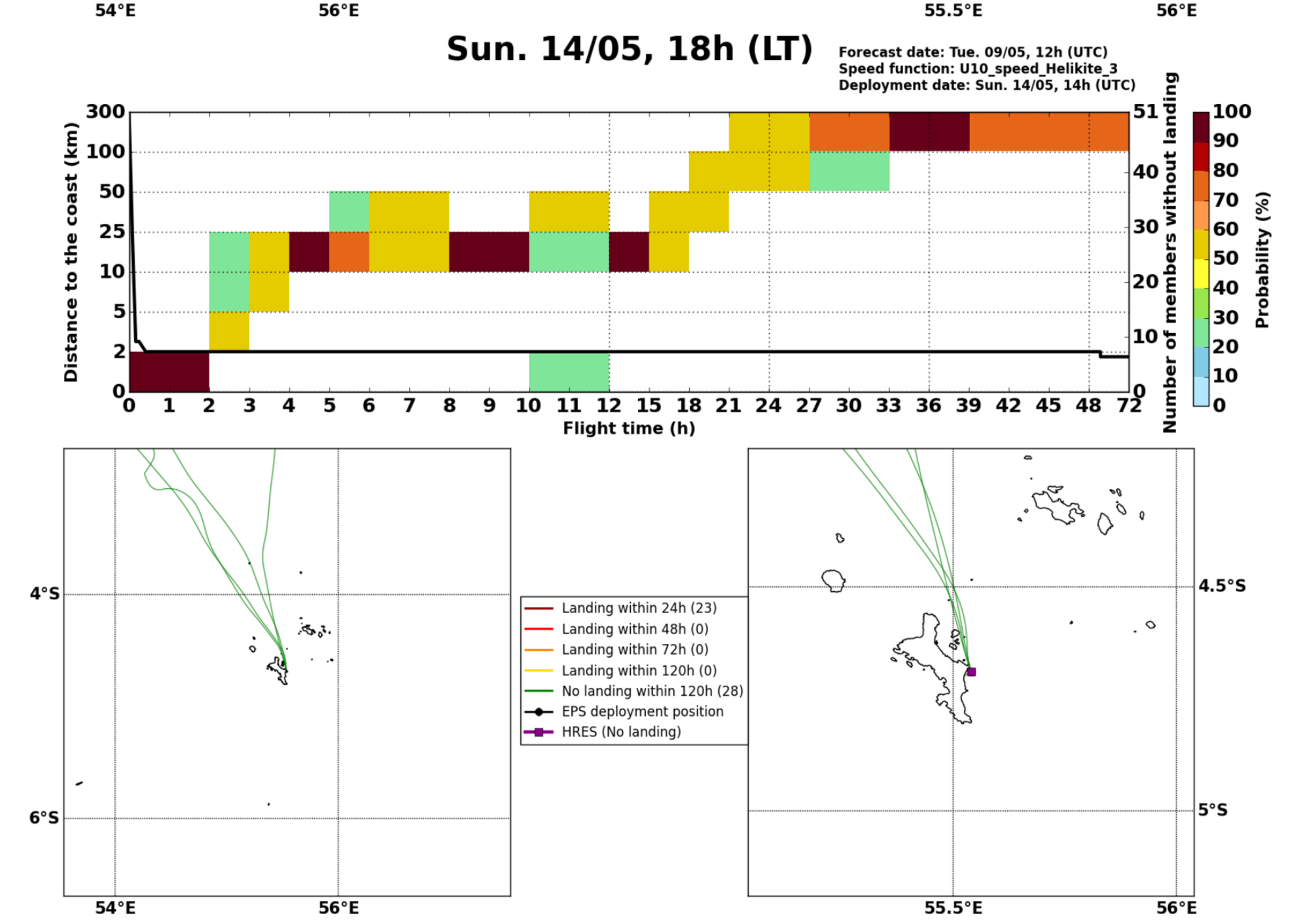

Thu. 11/05, 18h (LT)
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Thu. 11/05, 14h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
0 10 20 30 40 51
Probability (%)
0 10 20 30 40 50 60 70 80 90 100
4°S
6°S
54°E
56°E
Landing within 24h (8)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (43)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E


Fri. 12/05, 06h (LT)
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Fri. 12/05, 02h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
0 10 20 30 40 51
Probability (%)
0 10 20 30 40 50 60 70 80 90 100
4°S
6°S
54°E
56°E
Landing within 24h (21)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (30)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E


Fri. 12/05, 18h (LT)
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Fri. 12/05, 14h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
0 10 20 30 40 51
Probability (%)
0 10 20 30 40 50 60 70 80 90 100
4°S
6°S
54°E
56°E
Landing within 24h (11)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (40)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E


Sat. 13/05, 06h (LT)
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Sat. 13/05, 02h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
0 10 20 30 40 51
Probability (%)
0 10 20 30 40 50 60 70 80 90 100
4°S
6°S
54°E
56°E
Landing within 24h (10)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (41)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E


Sat. 13/05, 18h (LT)
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Sat. 13/05, 14h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
0 10 20 30 40 51
Probability (%)
0 10 20 30 40 50 60 70 80 90 100
4°S
6°S
54°E
56°E
Landing within 24h (23)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (28)
EPS deployment position
HRES (0h)
4.5°S
5°S
55.5°E
56°E


Sun. 14/05, 18h (LT)
Forecast date: Tue. 09/05, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Sun. 14/05, 14h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
0 10 20 30 40 51
Probability (%)
0 10 20 30 40 50 60 70 80 90 100
4°S
6°S
54°E
56°E
Landing within 24h (23)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (28)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E