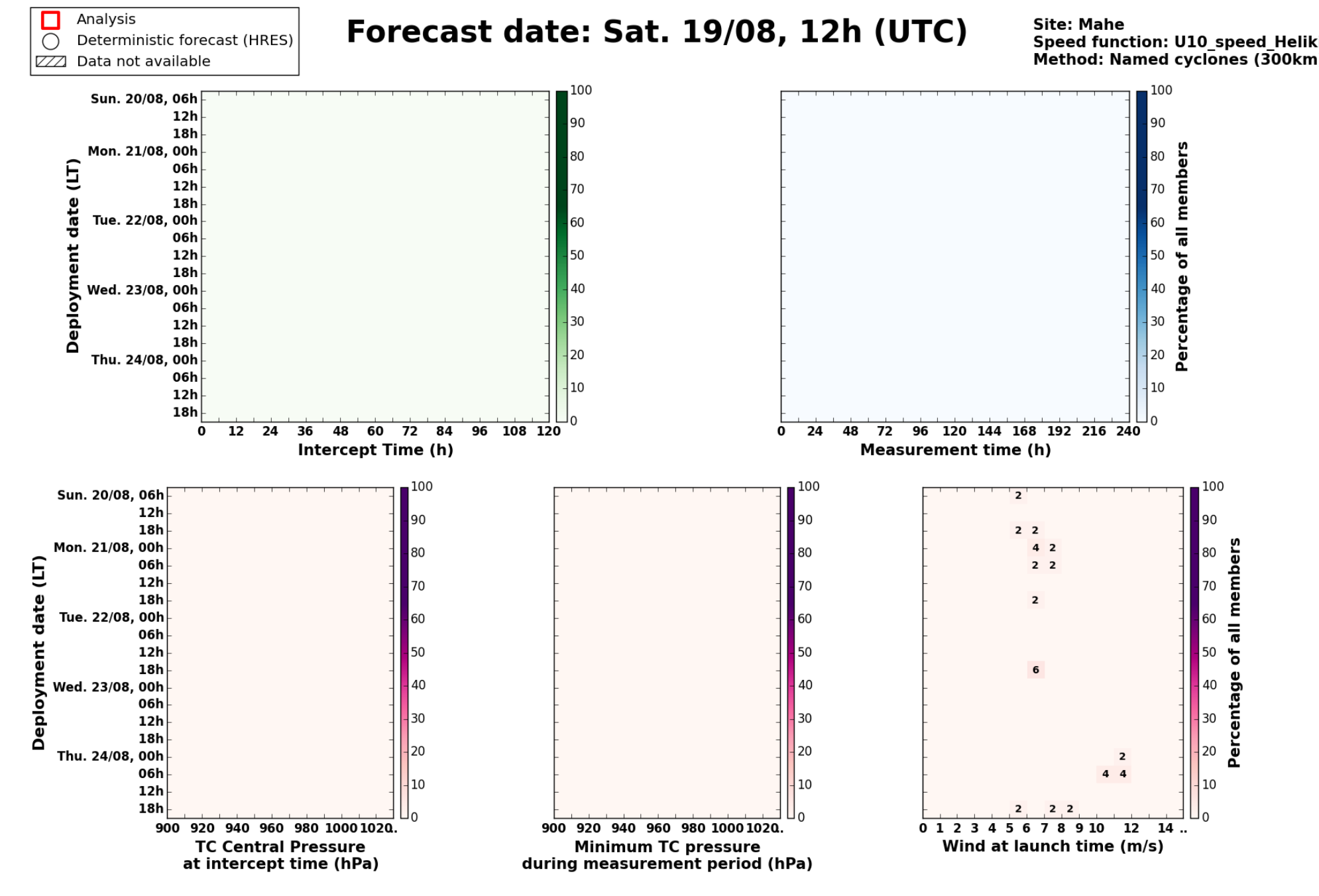
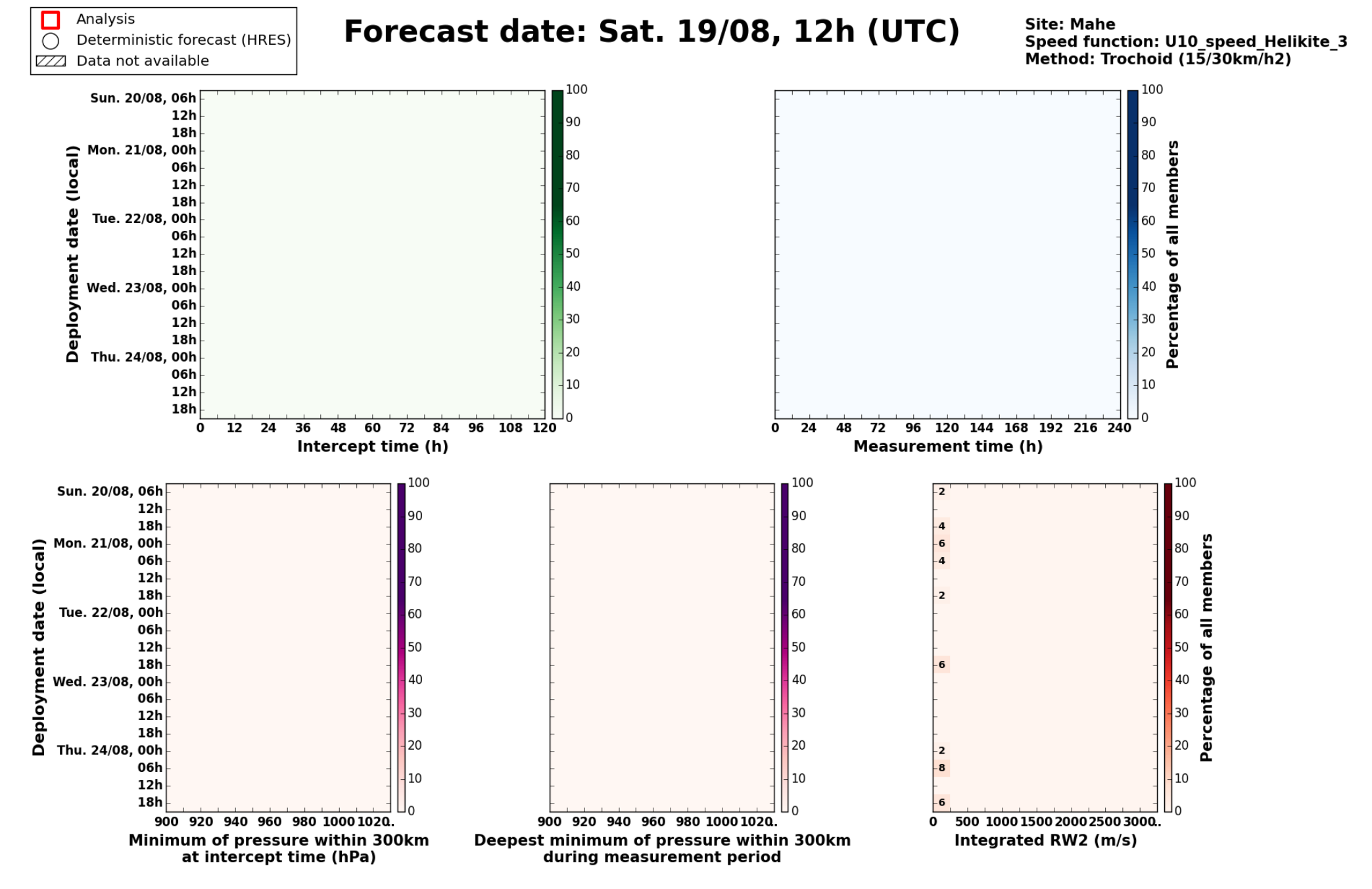
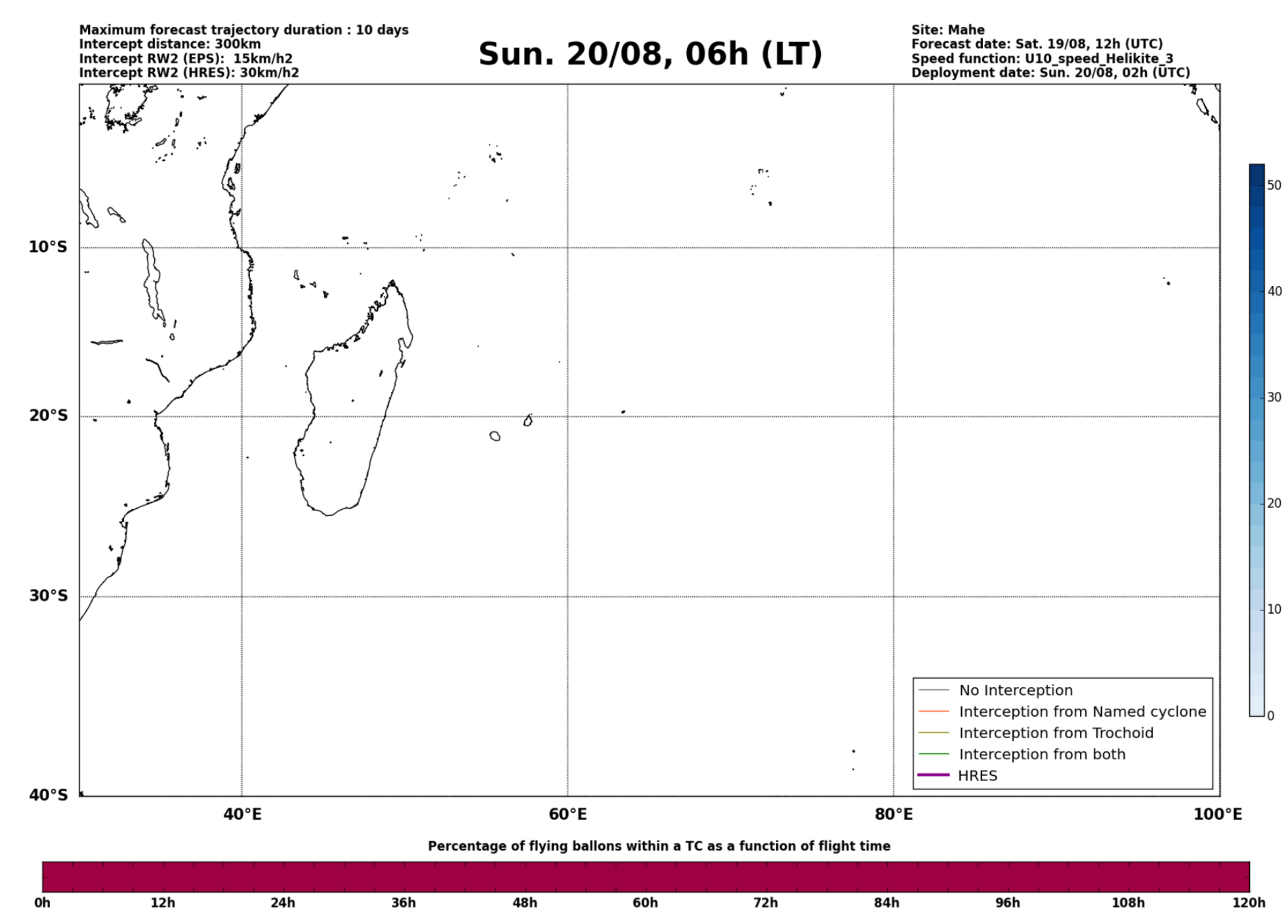
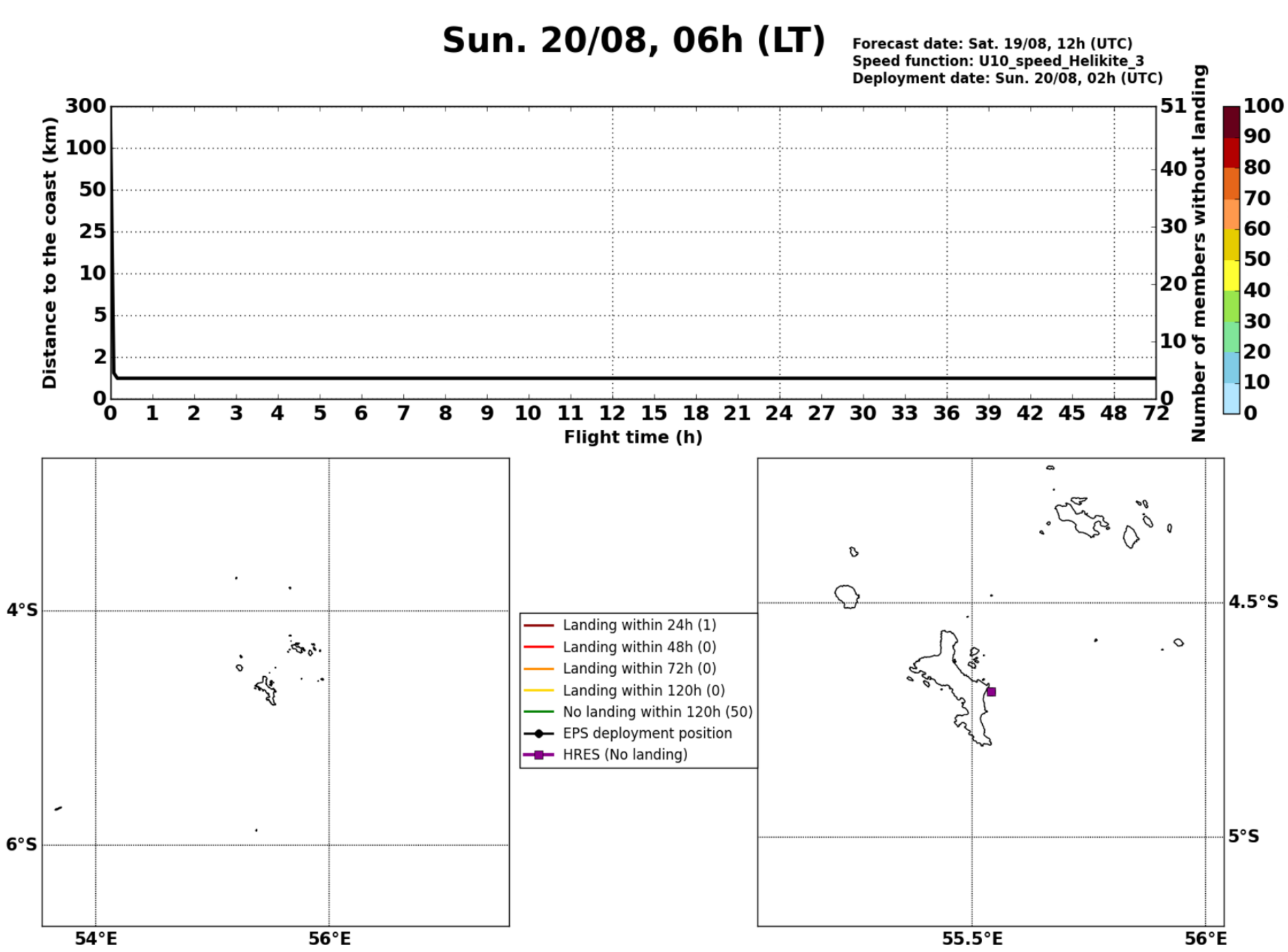
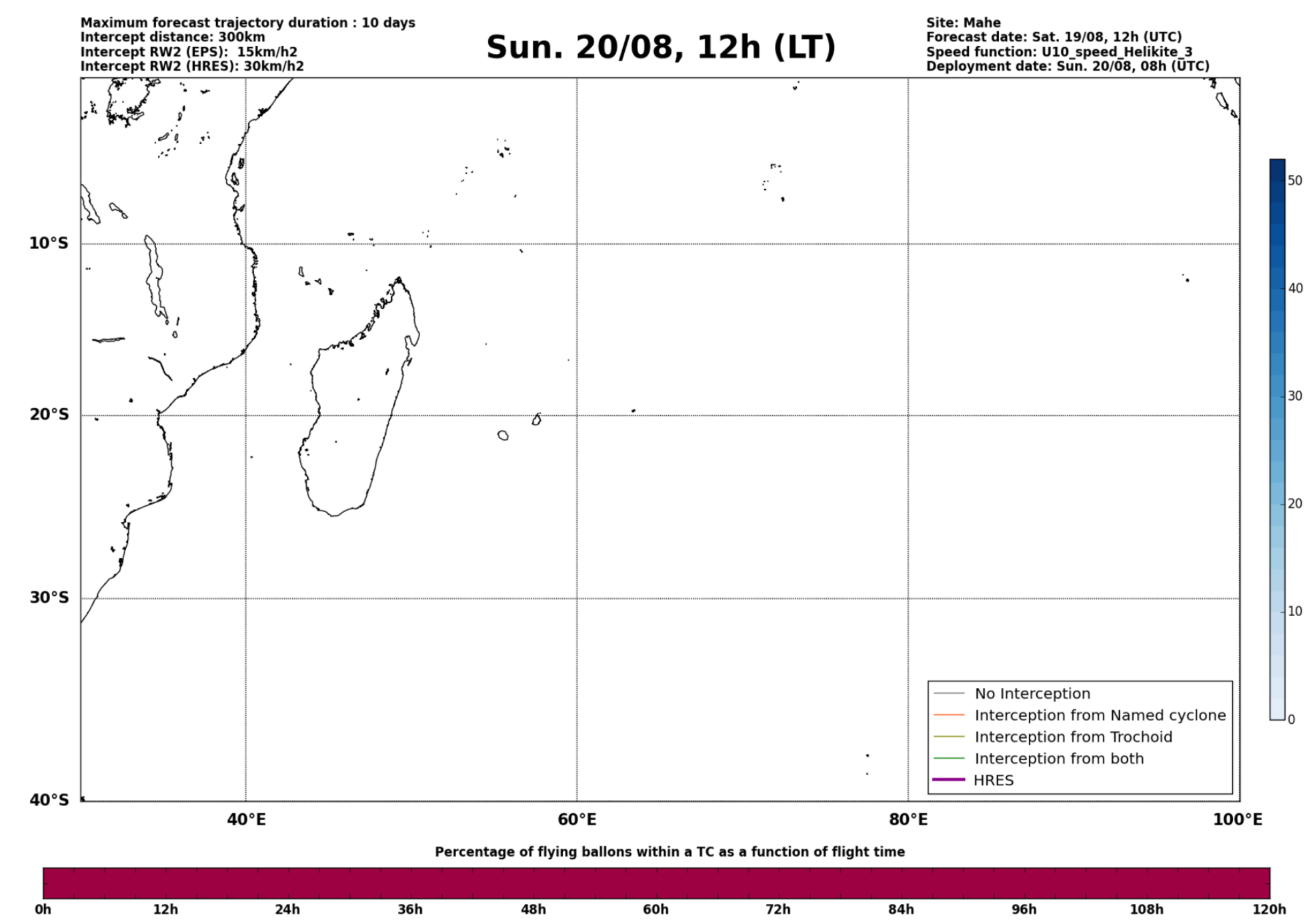
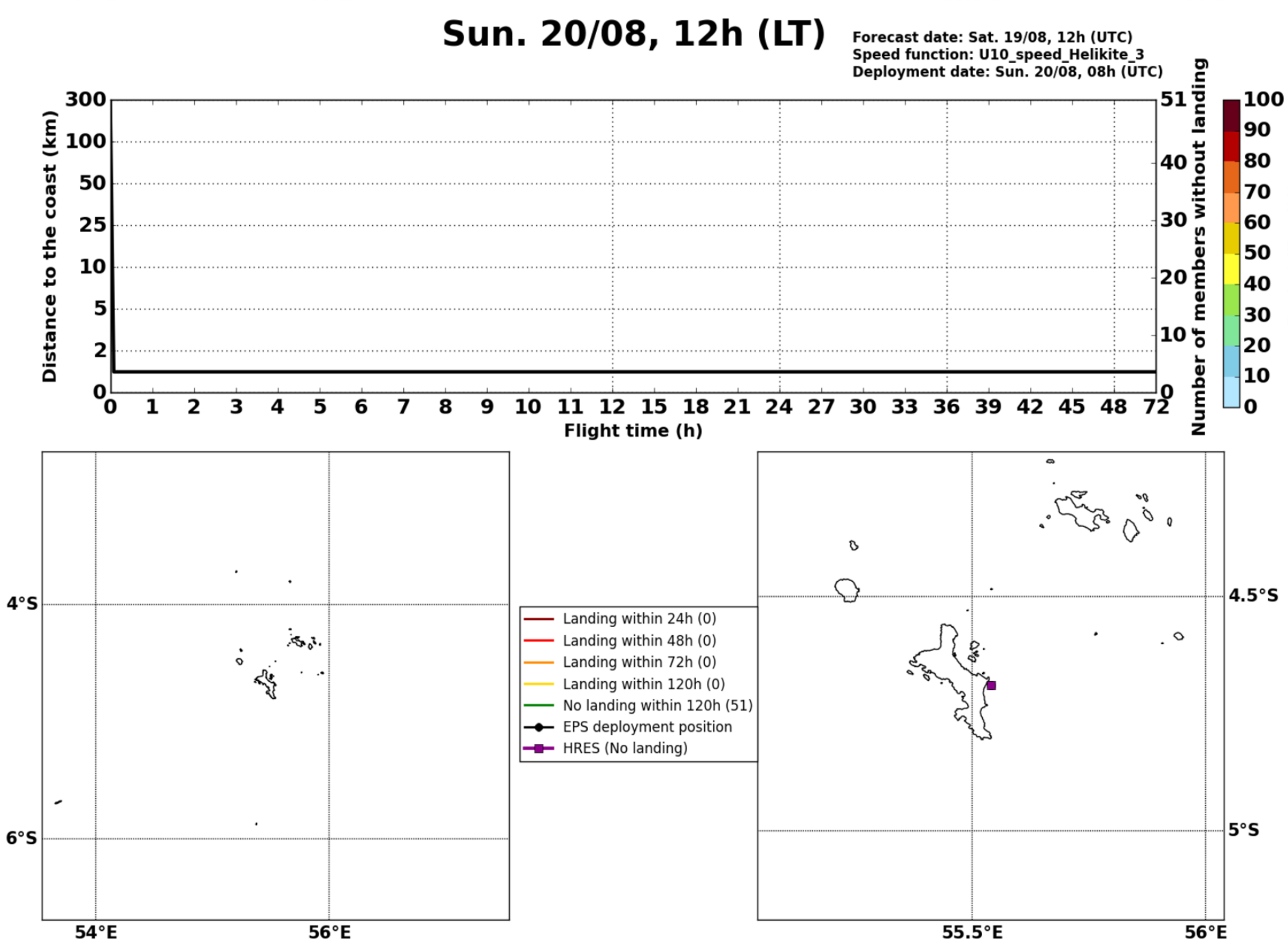

Analysis
Deterministic forecast (HRES)
Data not available
Forecast date: Sat. 19/08, 12h (UTC)
Site: Mahe
Speed function: U10_speed_Helikite_3
Method: Named cyclones (300km)
Deployment date (LT)
Sun. 20/08, 06h
12h
18h
Mon. 21/08, 00h
06h
12h
18h
Tue. 22/08, 00h
06h
12h
18h
Wed. 23/08, 00h
06h
12h
18h
Thu. 24/08, 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)
Wind at launch time (m/s)
0 1 2 3 4 5 6 7 8 9 10 12 14
2
2 2
4 2
2 2
2
6
2
4 4
2 2 2

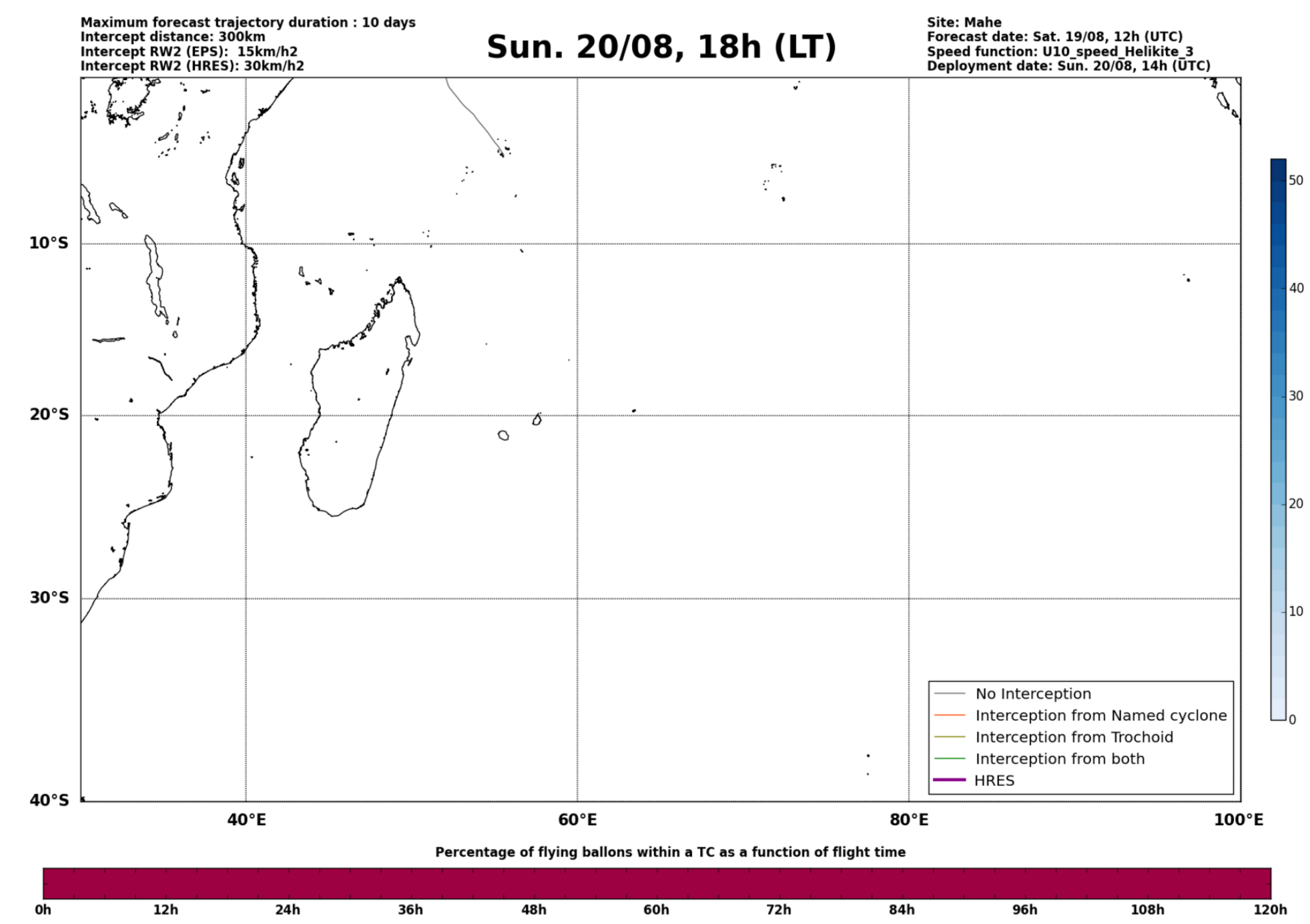

Analysis
Deterministic forecast (HRES)
Data not available
Forecast date: Sat. 19/08, 12h (UTC)
Site: Mahe
Speed function: U10_speed_Helikite_3
Method: Trochoid (15/30km/h2)
Deployment date (local)
Sun. 20/08, 06h
12h
18h
Mon. 21/08, 00h
06h
12h
18h
Tue. 22/08, 00h
06h
12h
18h
Wed. 23/08, 00h
06h
12h
18h
Thu. 24/08, 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
Integrated RW2 (m/s)
0 500 1000 1500 2000 2500 3000
2
4
6
4
2
6
2
8
6

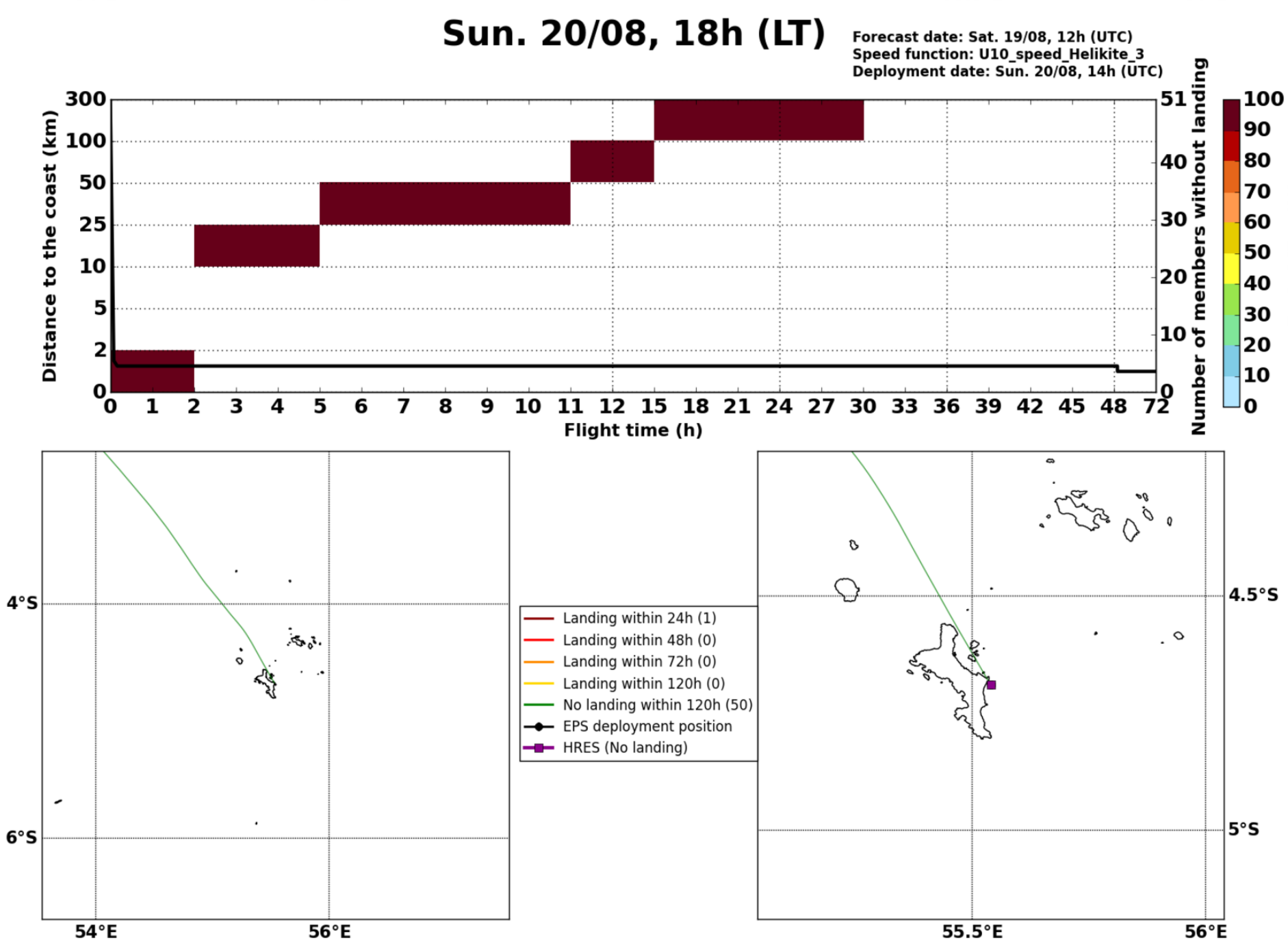

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Sun. 20/08, 06h (LT)
Site: Mahe
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Sun. 20/08, 02h (UTC)
10°S
20°S
30°S
40°S
40°E 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

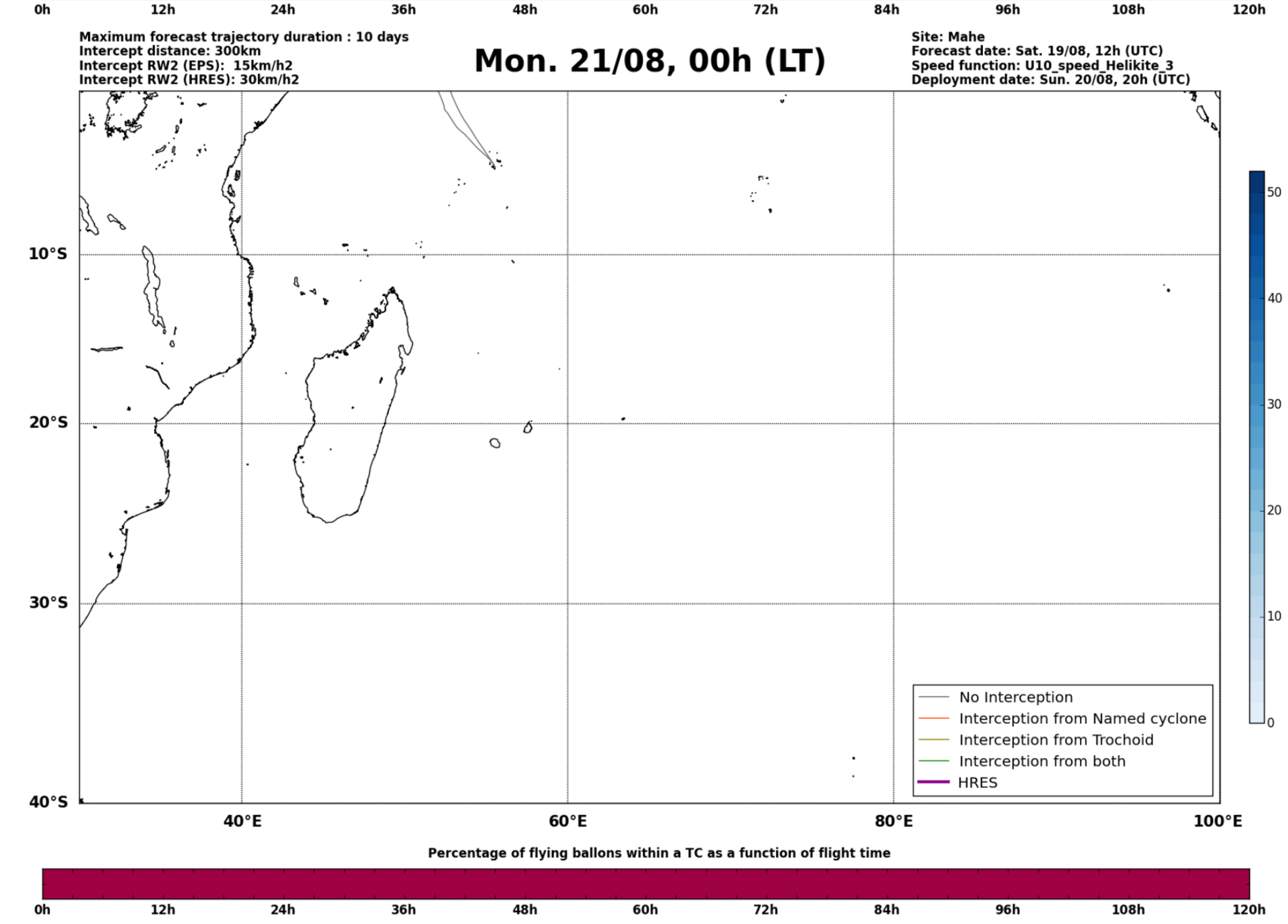

Sun. 20/08, 06h (LT)
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Sun. 20/08, 02h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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 (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

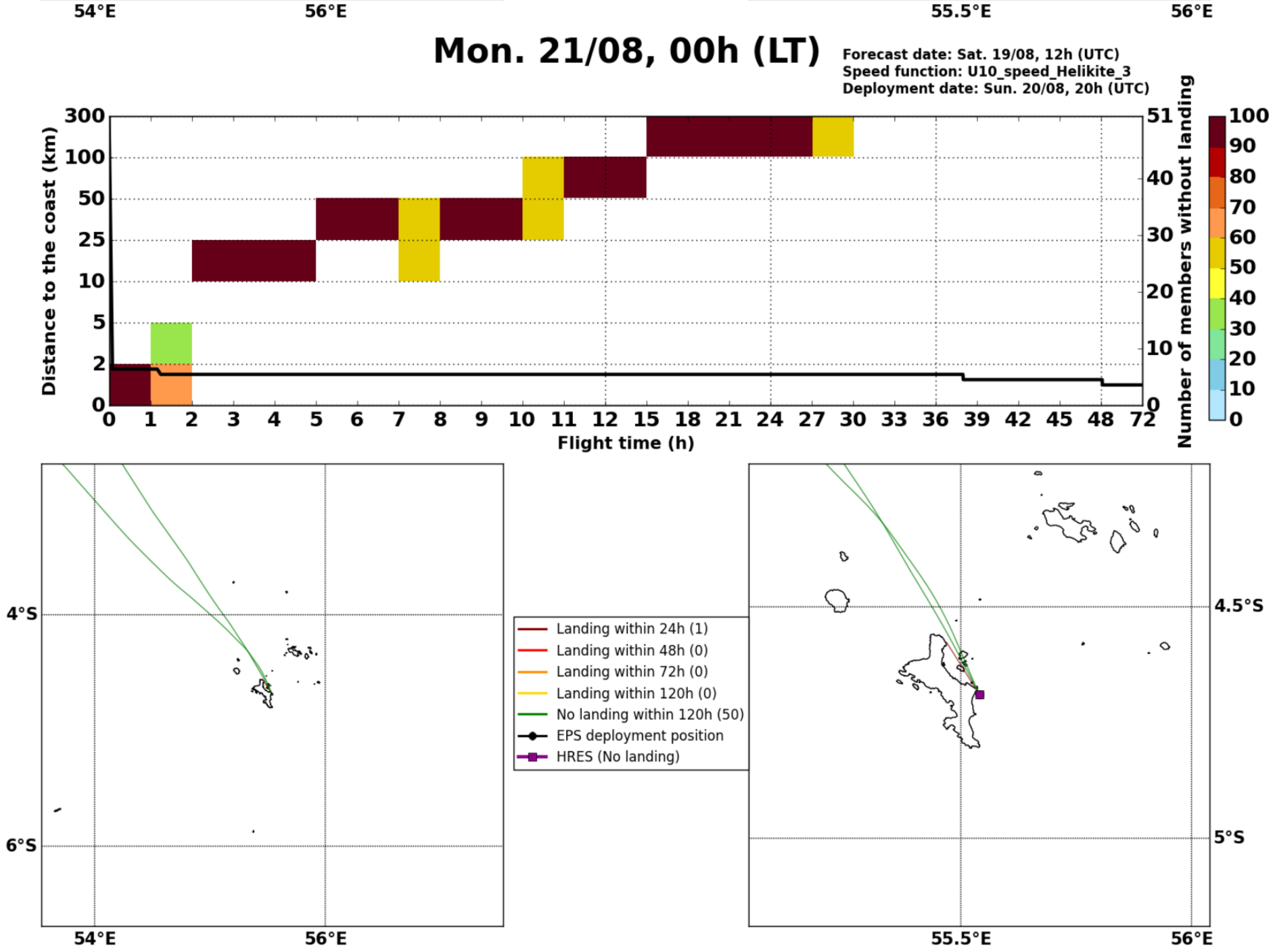

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Sun. 20/08, 12h (LT)
Site: Mahe
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Sun. 20/08, 08h (UTC)
10°S
20°S
30°S
40°S
40°E 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

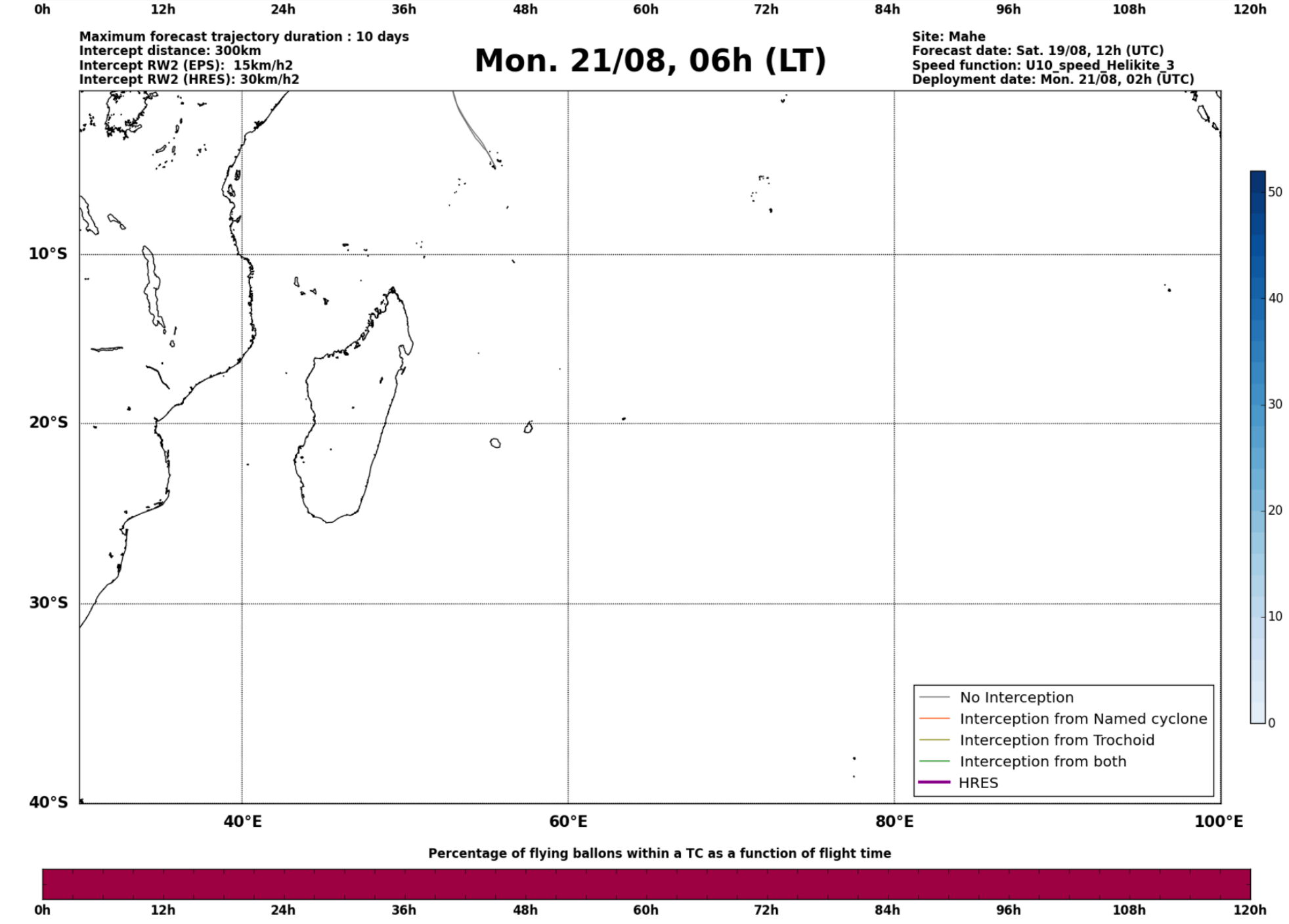

Sun. 20/08, 12h (LT)
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Sun. 20/08, 08h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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

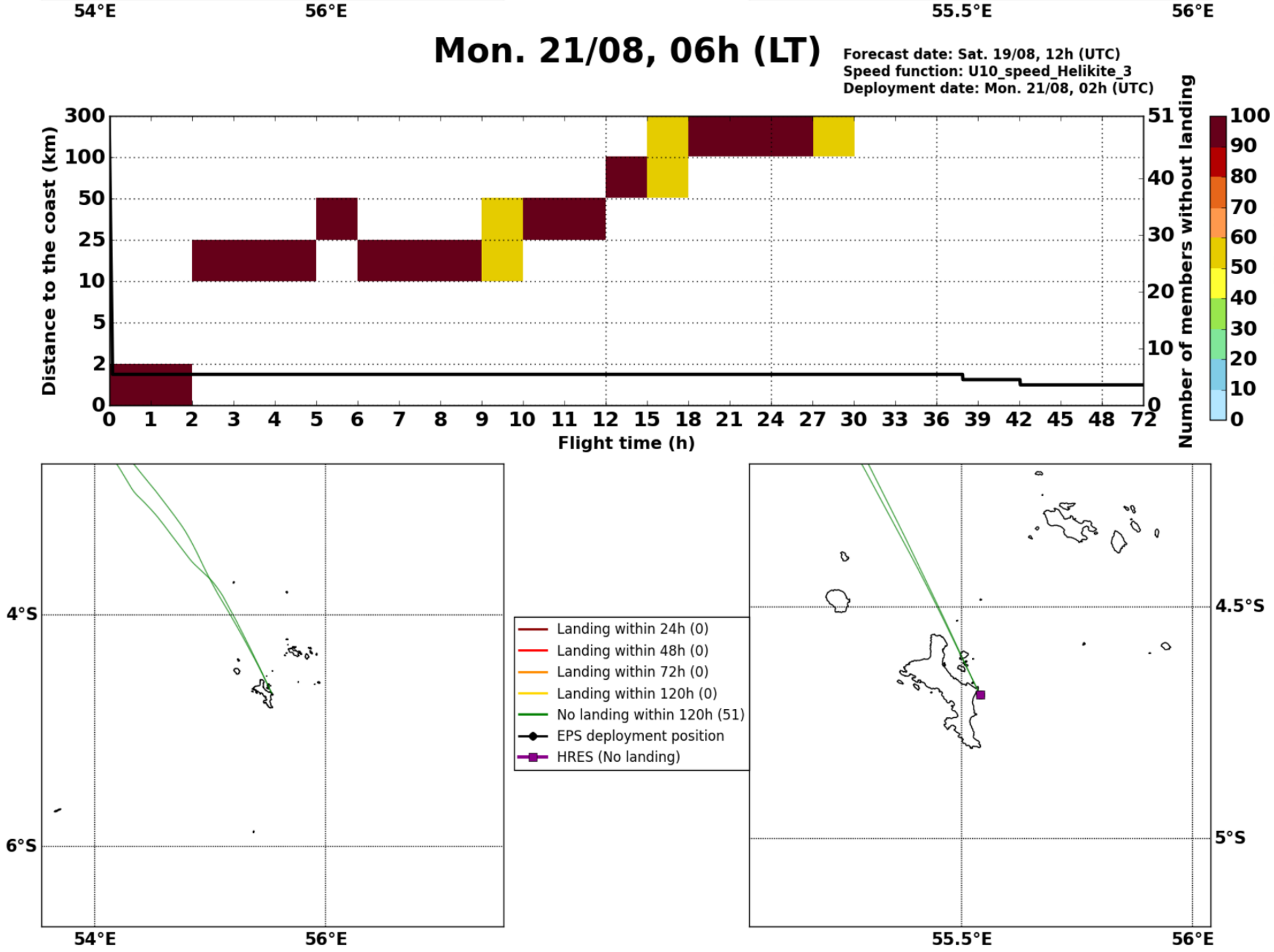

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Sun. 20/08, 18h (LT)
Site: Mahe
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Sun. 20/08, 14h (UTC)
10°S
20°S
30°S
40°S
40°E 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

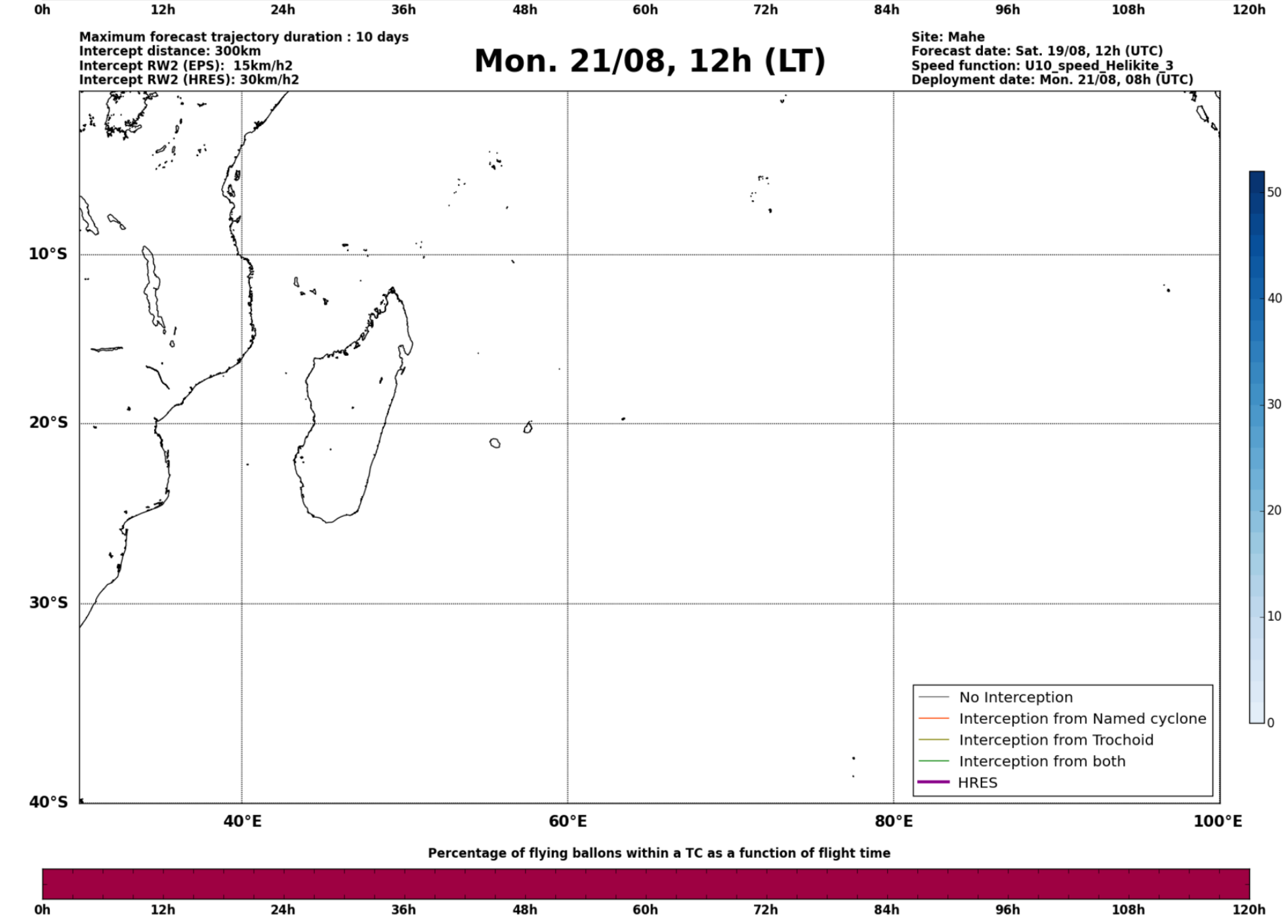

Sun. 20/08, 18h (LT)
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Sun. 20/08, 14h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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

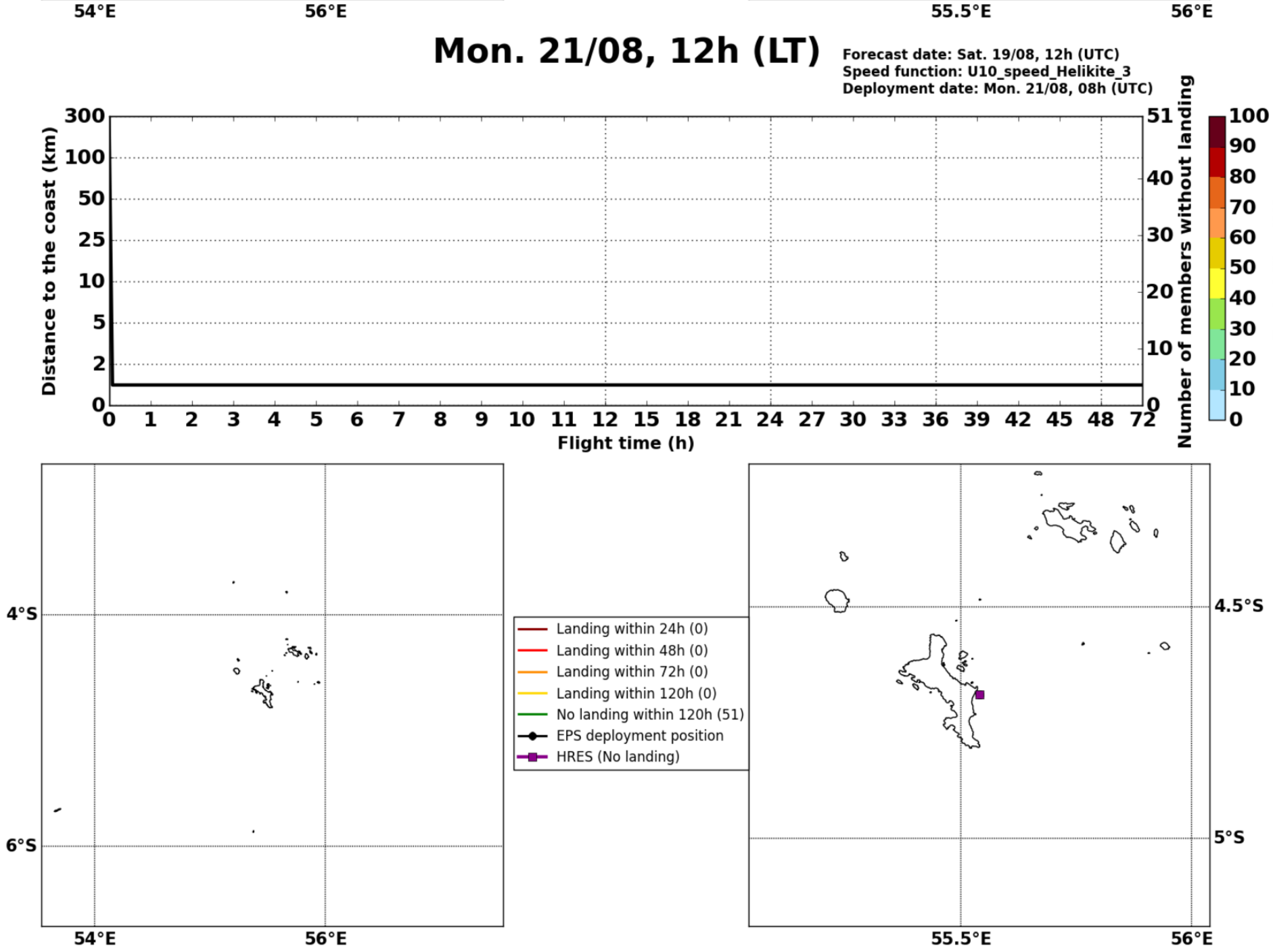

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Mon. 21/08, 00h (LT)
Site: Mahe
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Sun. 20/08, 20h (UTC)
10°S
20°S
30°S
40°S
40°E 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

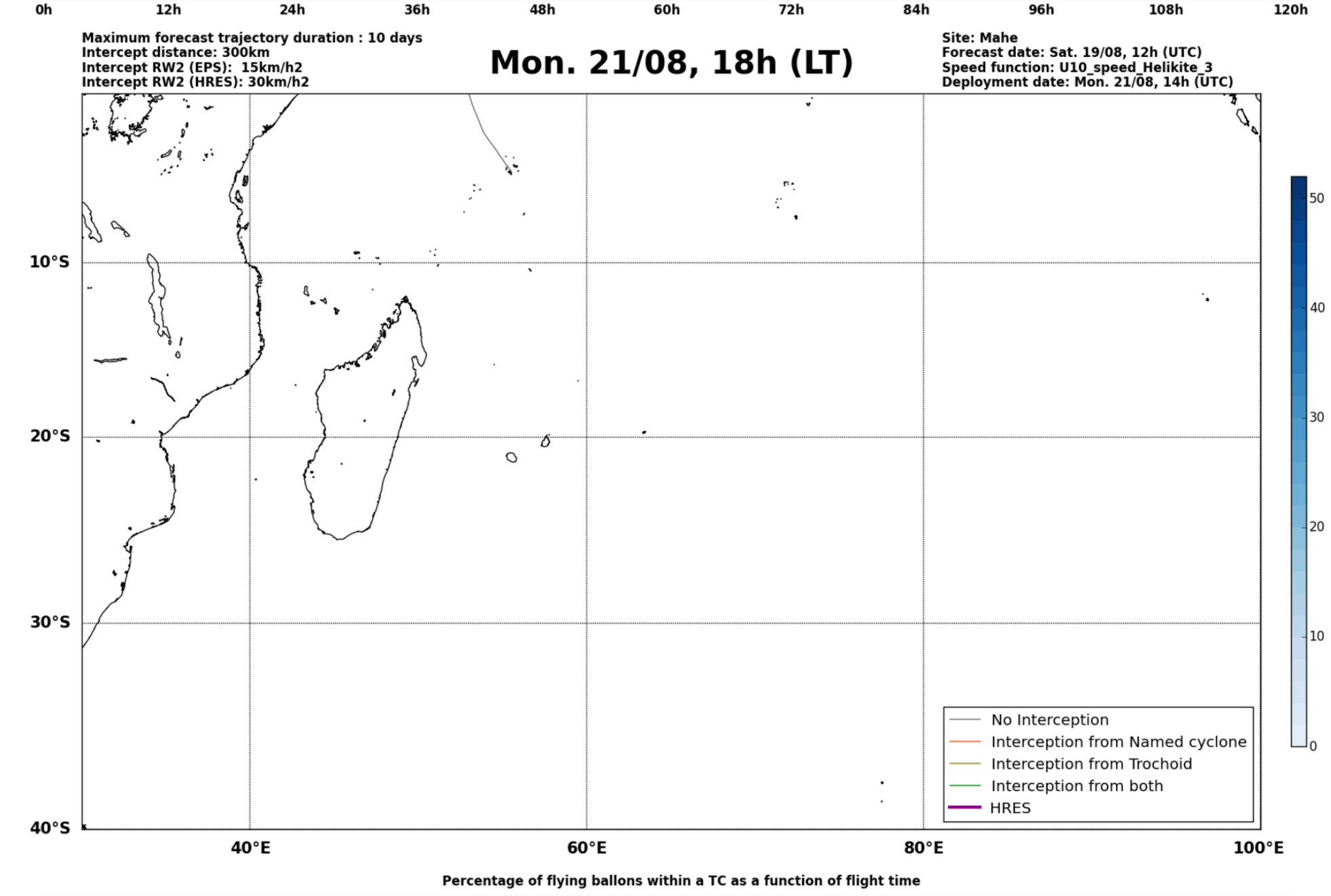

Mon. 21/08, 00h (LT)
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Sun. 20/08, 20h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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

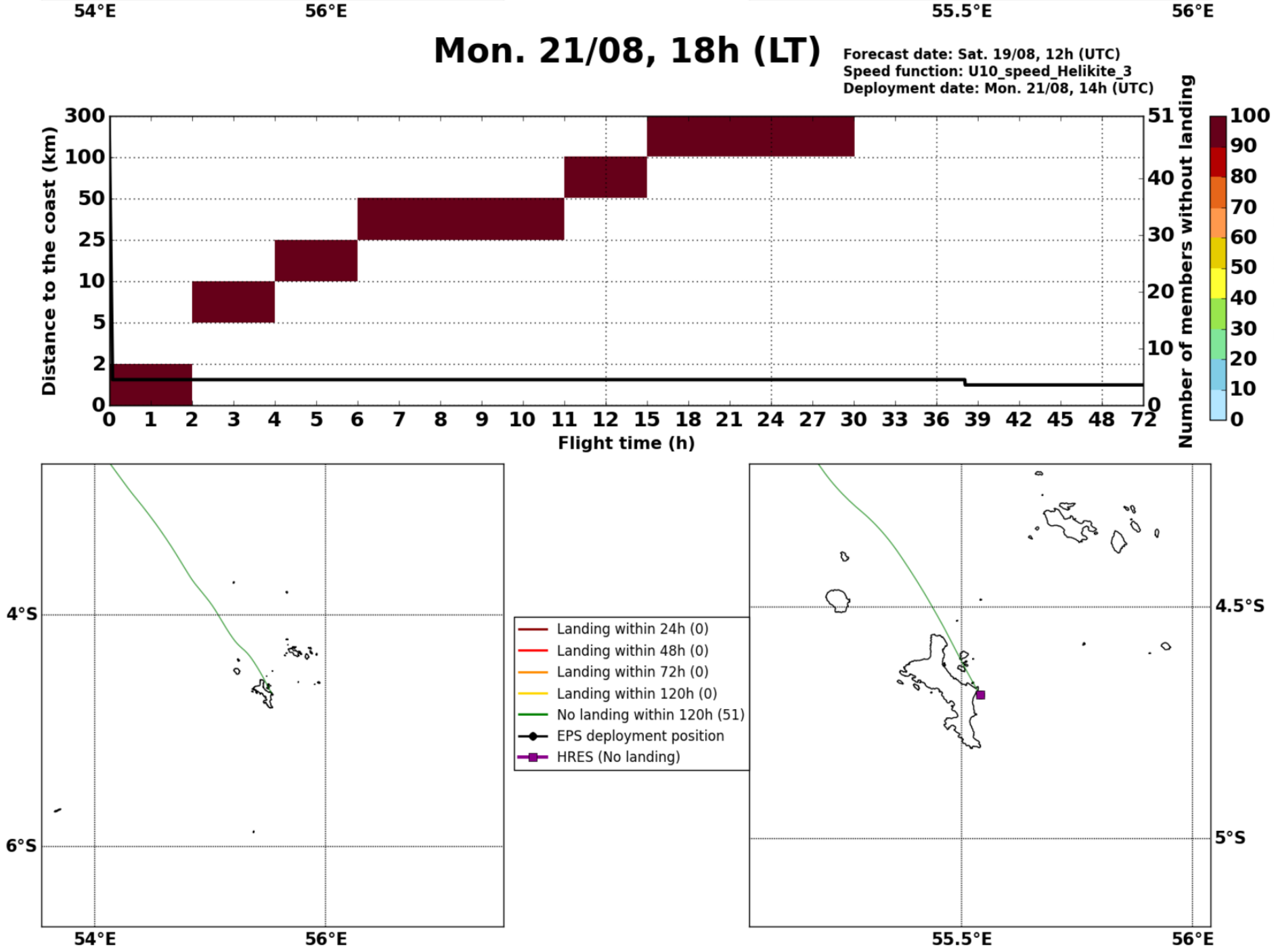

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Mon. 21/08, 06h (LT)
Site: Mahe
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Mon. 21/08, 02h (UTC)
10°S
20°S
30°S
40°S
40°E 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

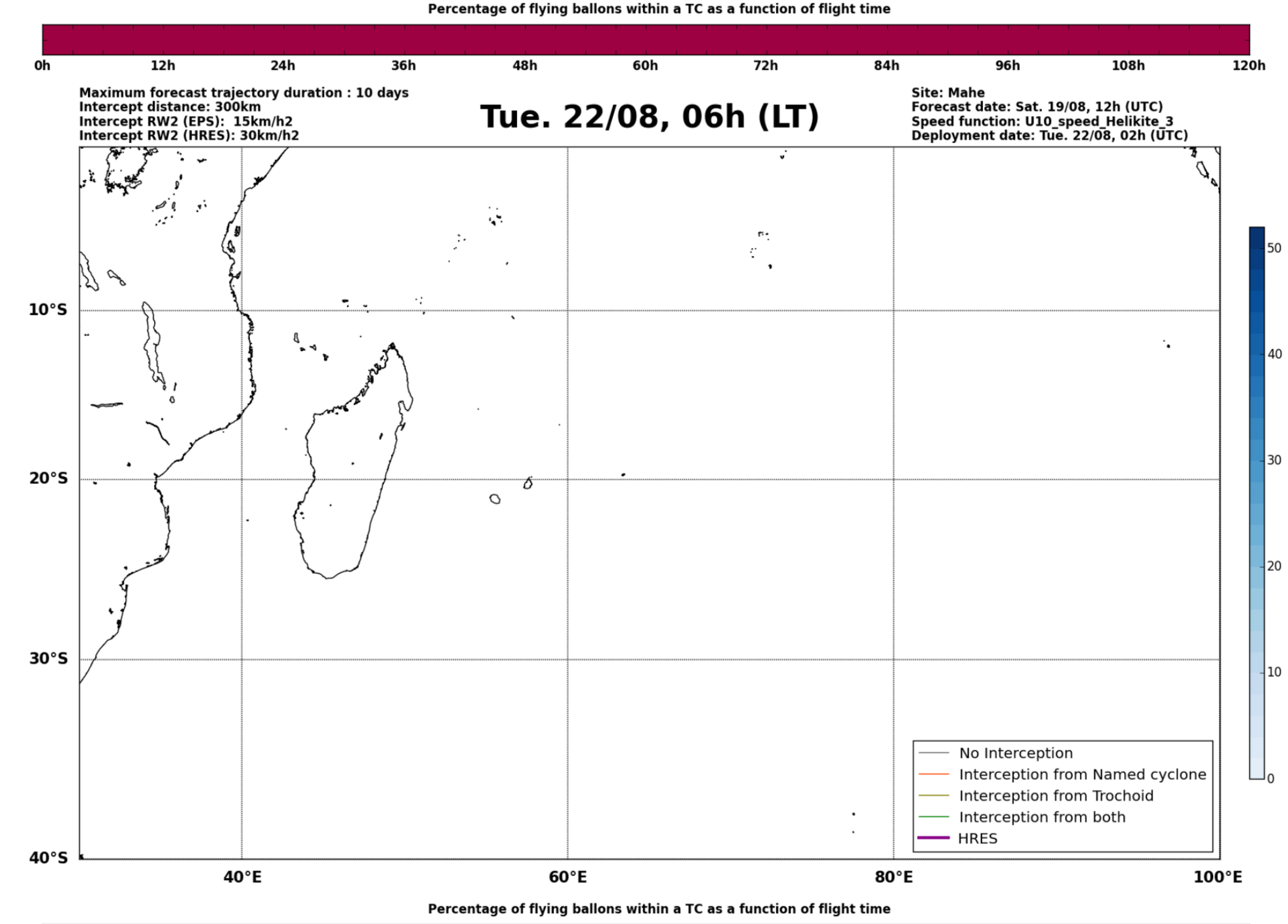

Mon. 21/08, 06h (LT)
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Mon. 21/08, 02h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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 (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

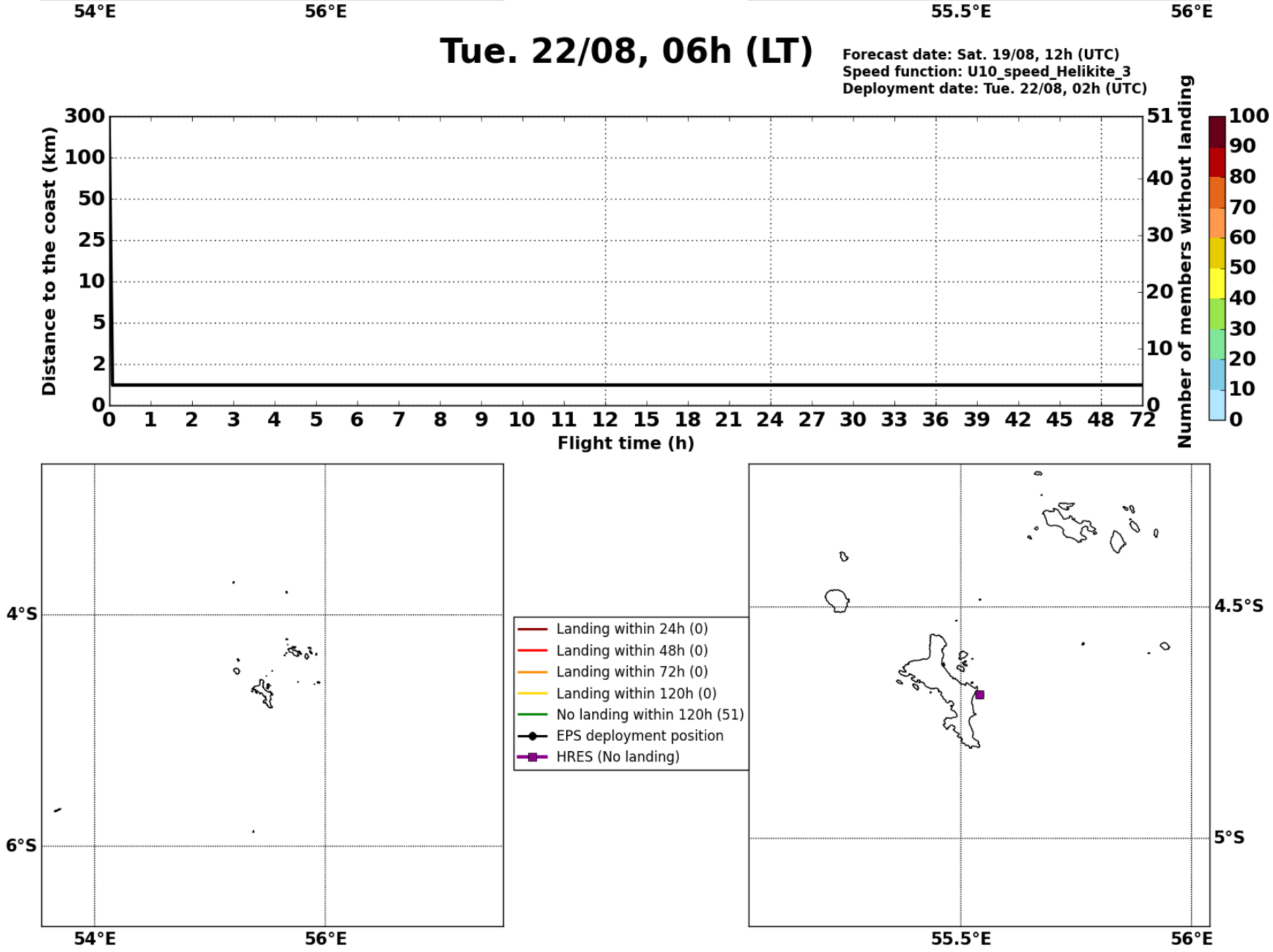

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Mon. 21/08, 12h (LT)
Site: Mahe
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Mon. 21/08, 08h (UTC)
10°S
20°S
30°S
40°S
40°E 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

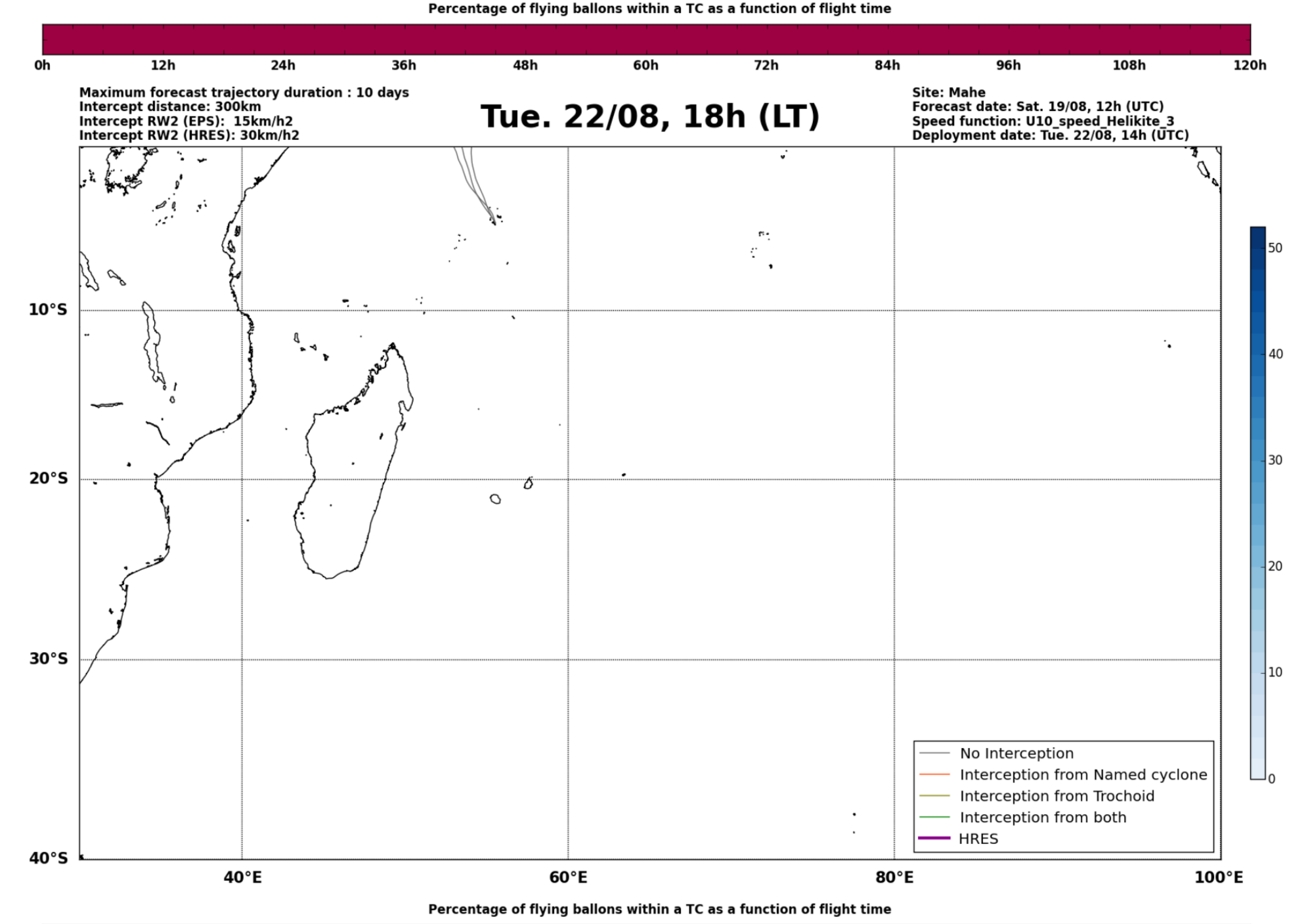

Mon. 21/08, 12h (LT)
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Mon. 21/08, 08h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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

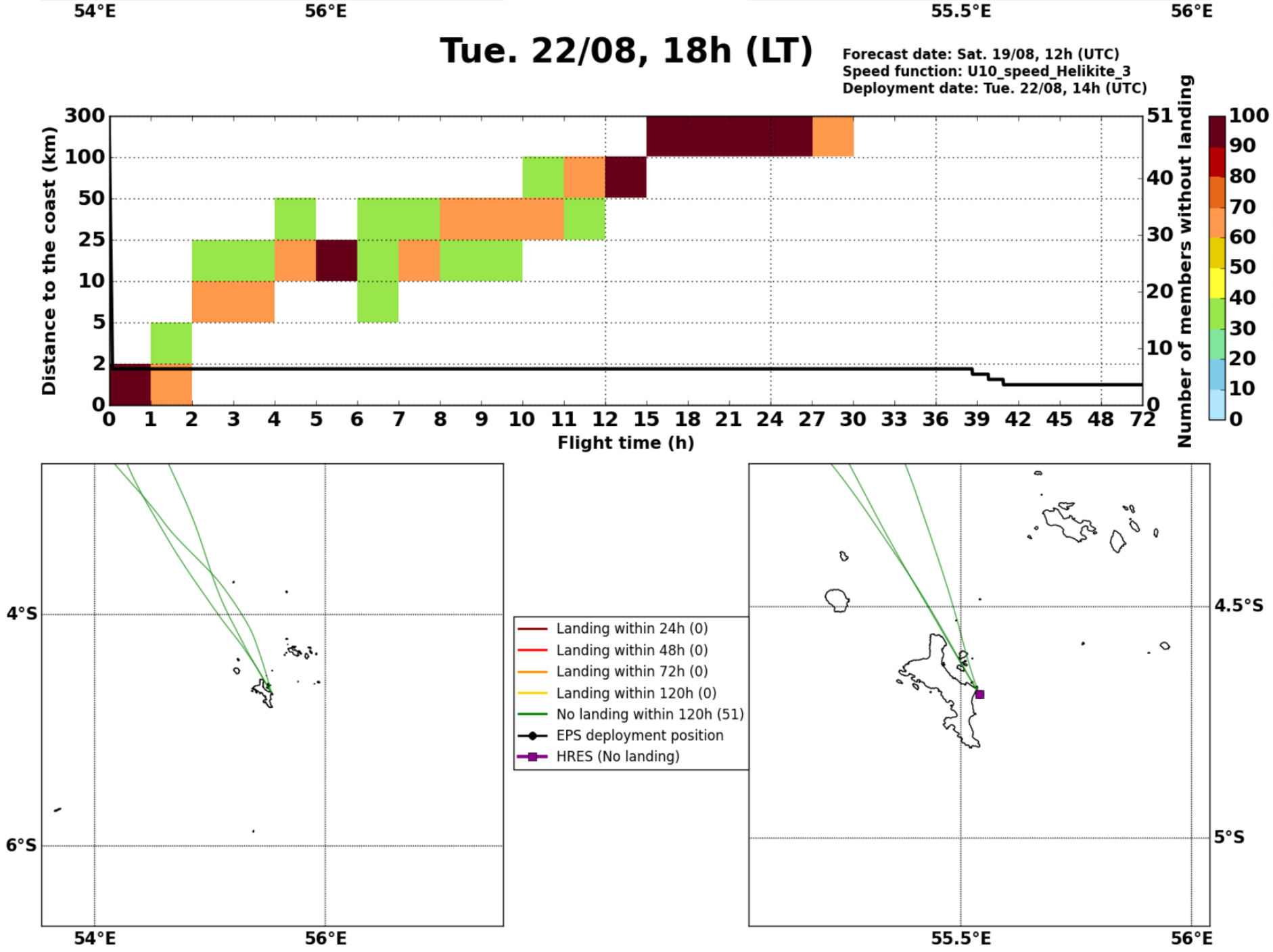

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Mon. 21/08, 18h (LT)
Site: Mahe
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Mon. 21/08, 14h (UTC)
10°S
20°S
30°S
40°S
40°E 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

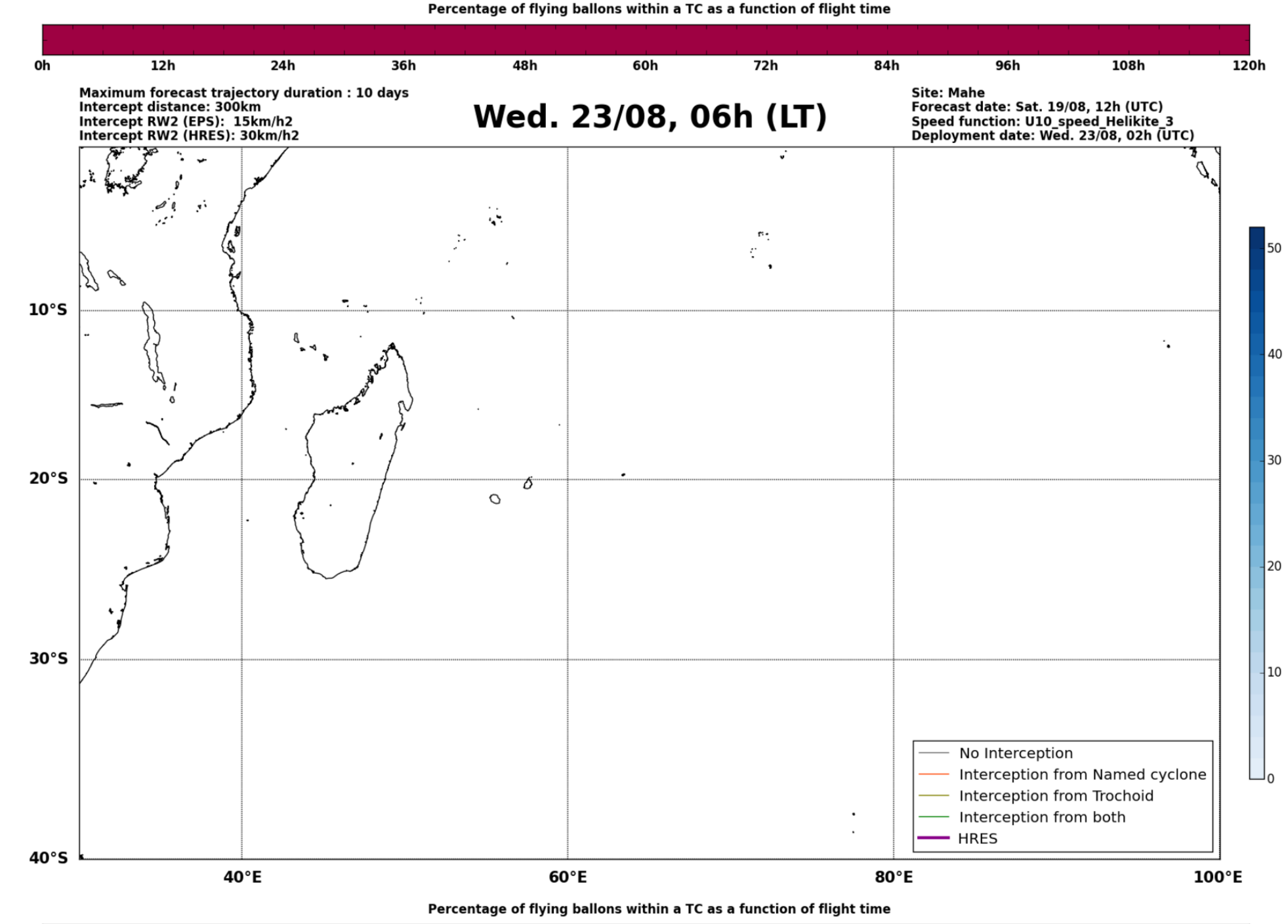

Mon. 21/08, 18h (LT)
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Mon. 21/08, 14h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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 (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

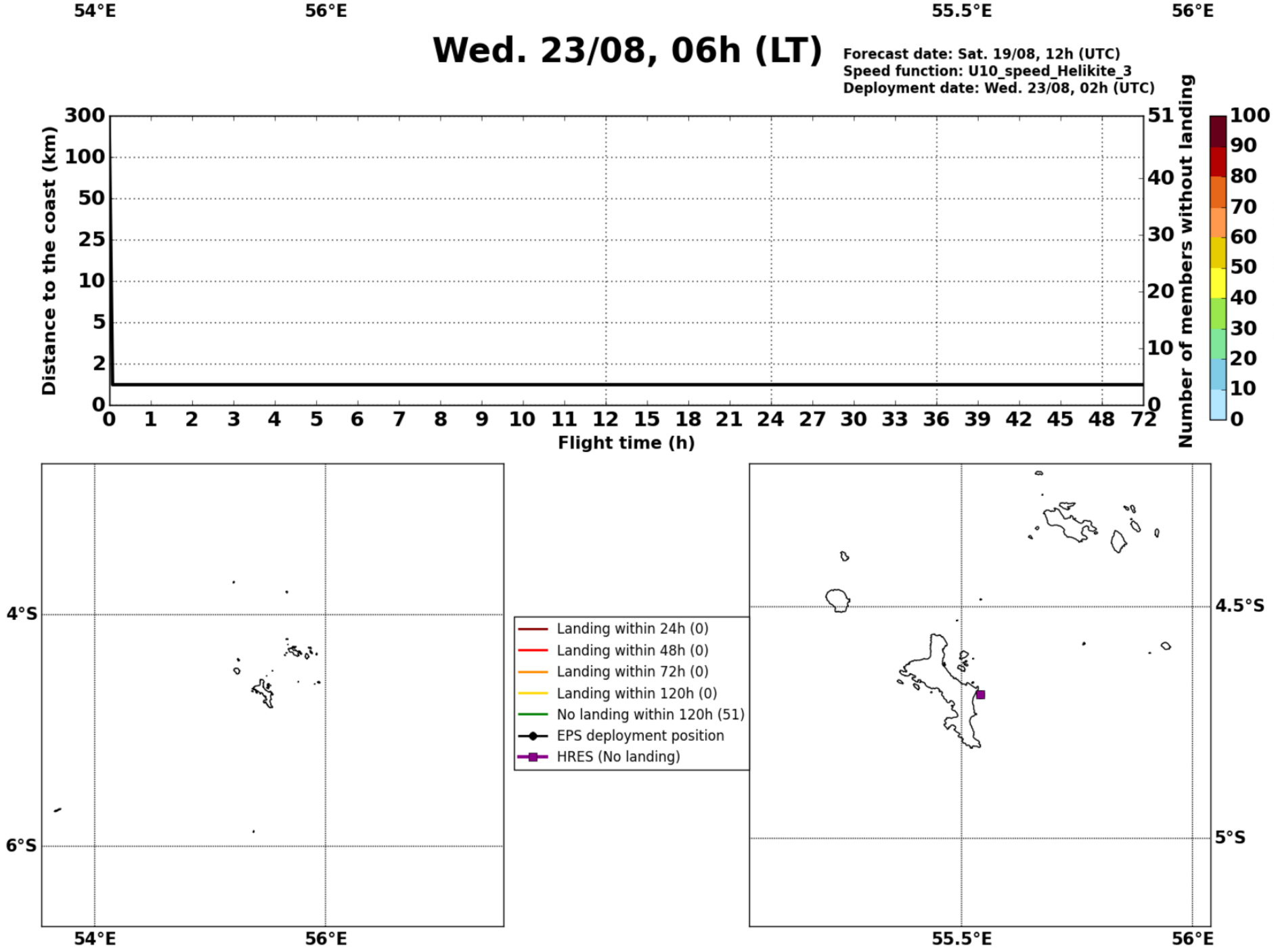

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Tue. 22/08, 06h (LT)
Site: Mahe
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Tue. 22/08, 02h (UTC)
10°S
20°S
30°S
40°S
40°E 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

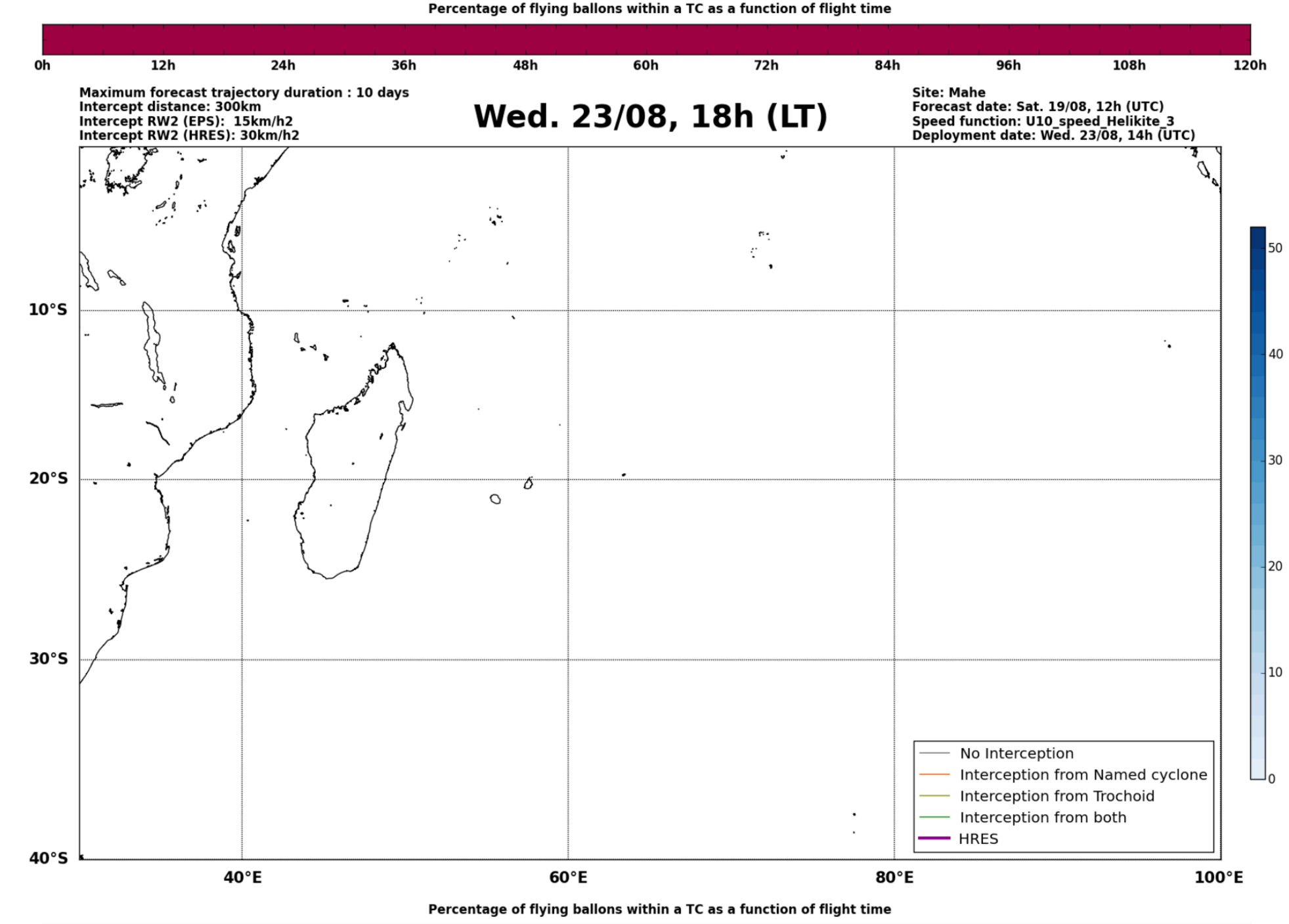

Tue. 22/08, 06h (LT)
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Tue. 22/08, 02h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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 (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

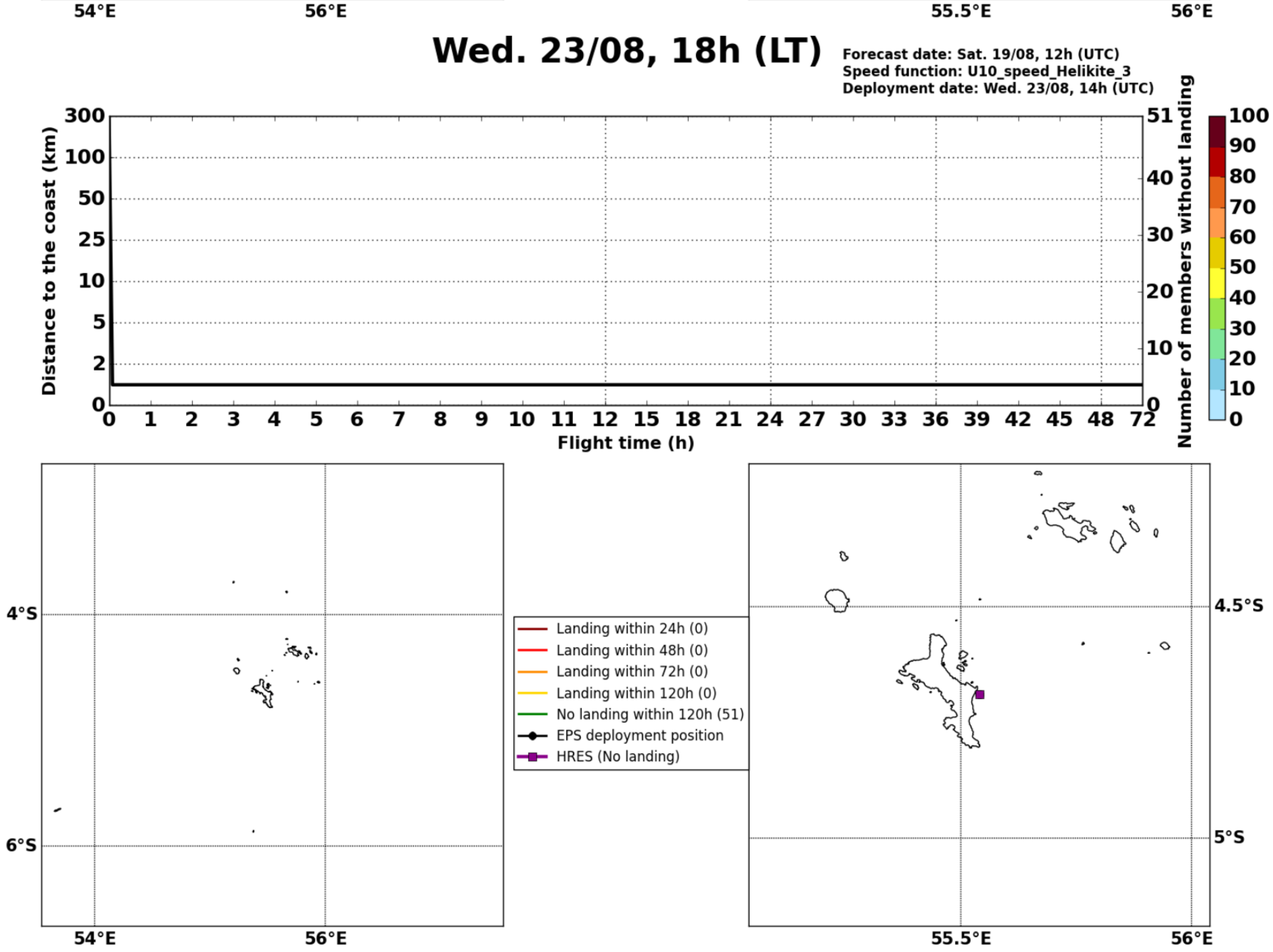

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Tue. 22/08, 18h (LT)
Site: Mahe
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Tue. 22/08, 14h (UTC)
10°S
20°S
30°S
40°S
40°E 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

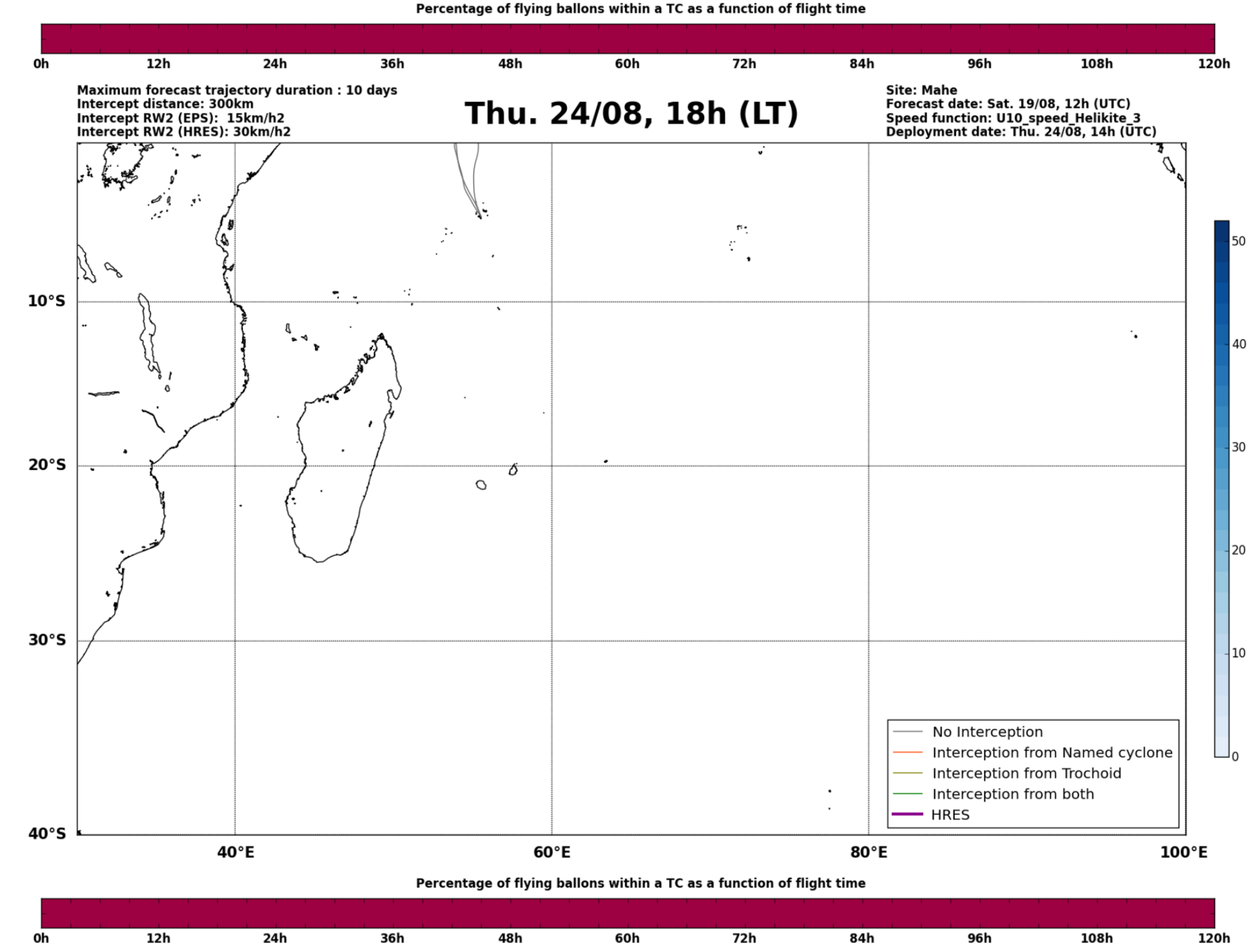

Tue. 22/08, 18h (LT)
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Tue. 22/08, 14h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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 (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


Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Wed. 23/08, 06h (LT)
Site: Mahe
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Wed. 23/08, 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


Wed. 23/08, 06h (LT)
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Wed. 23/08, 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 (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


Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Wed. 23/08, 18h (LT)
Site: Mahe
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Wed. 23/08, 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


Wed. 23/08, 18h (LT)
Forecast date: Sat. 19/08, 12h (UTC)
Speed function: U10_speed_Helikite_3
Deployment date: Wed. 23/08, 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 (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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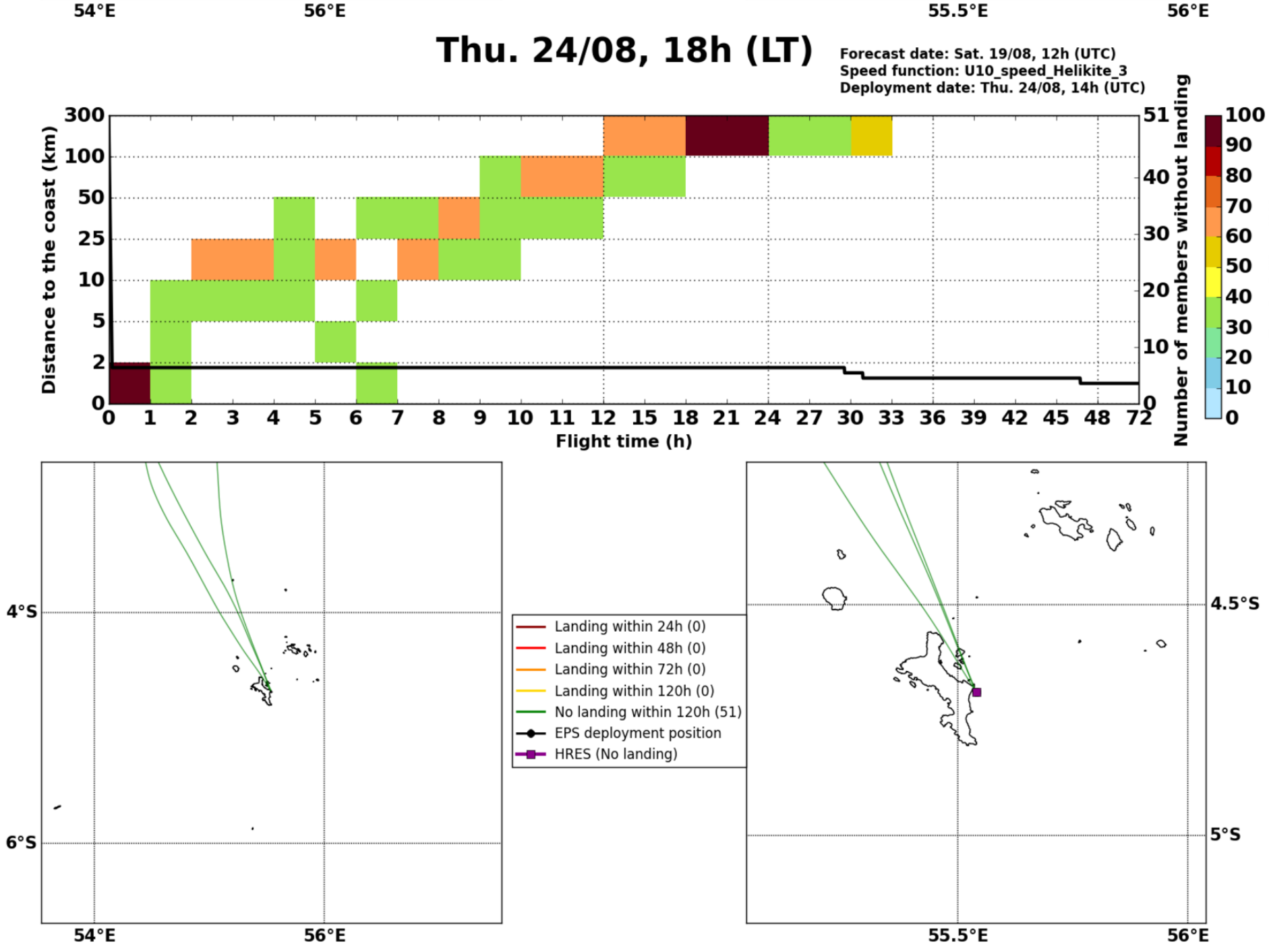
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HRES (No landing)
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5°S
55.5°E 56°E