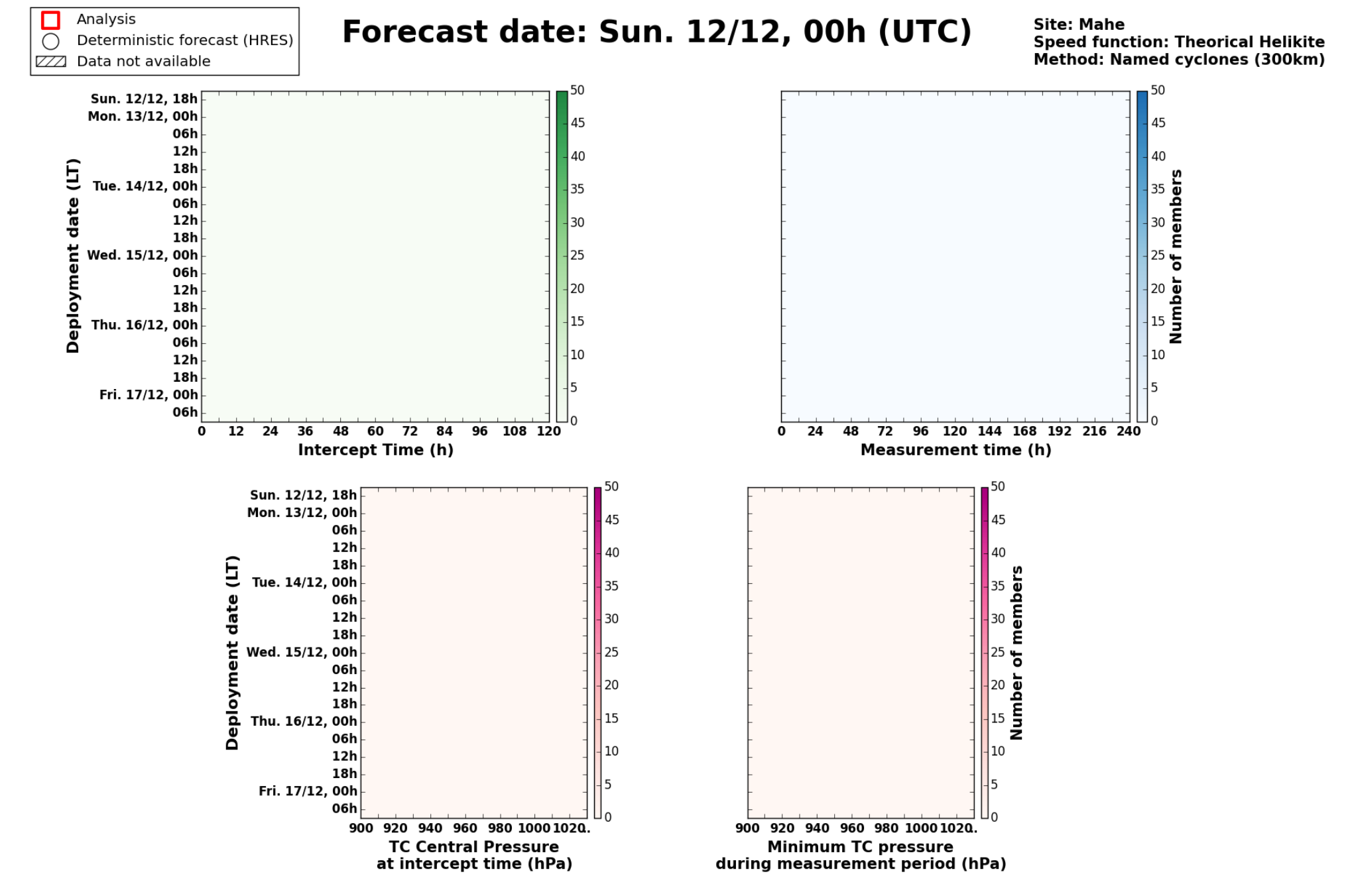
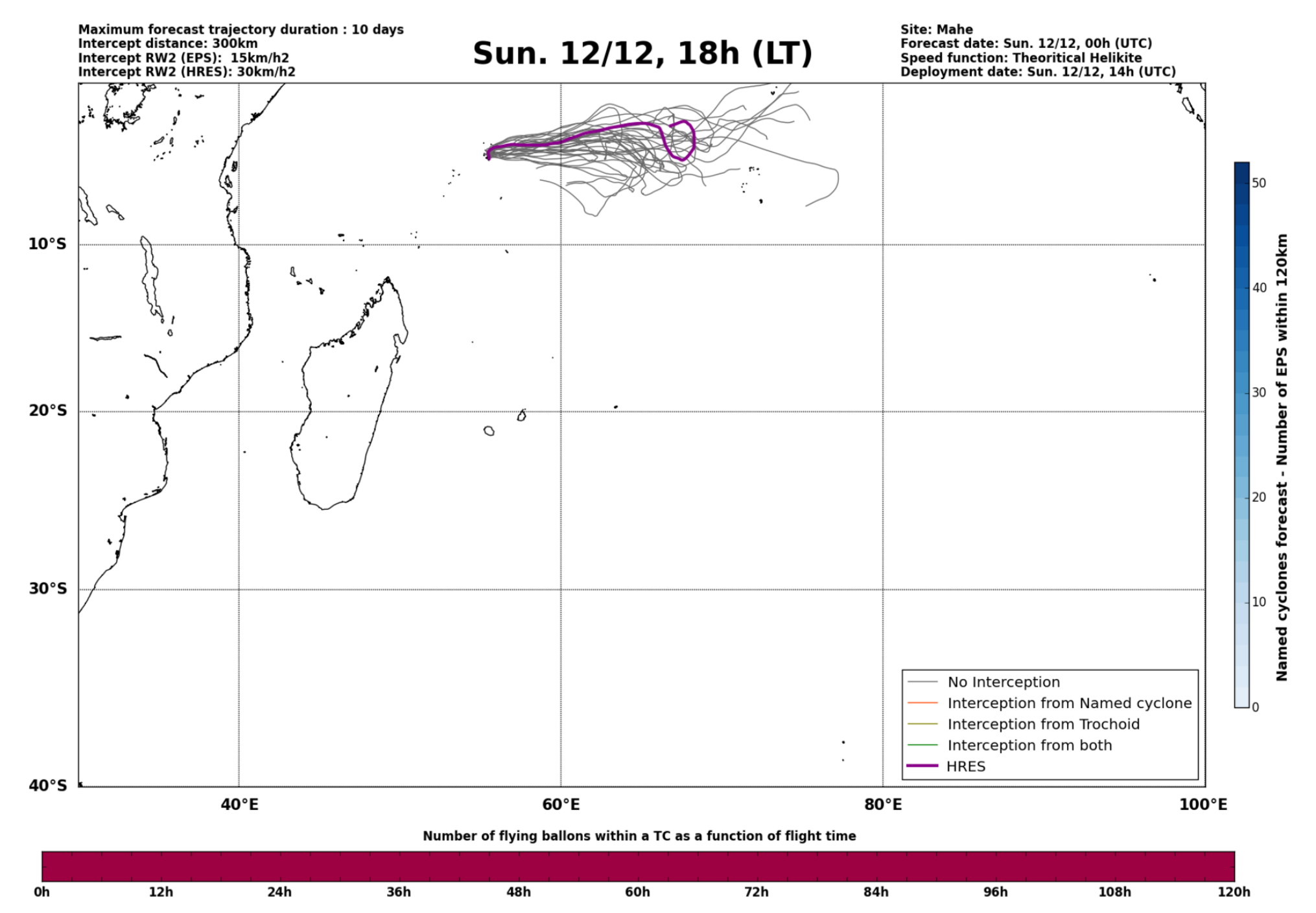
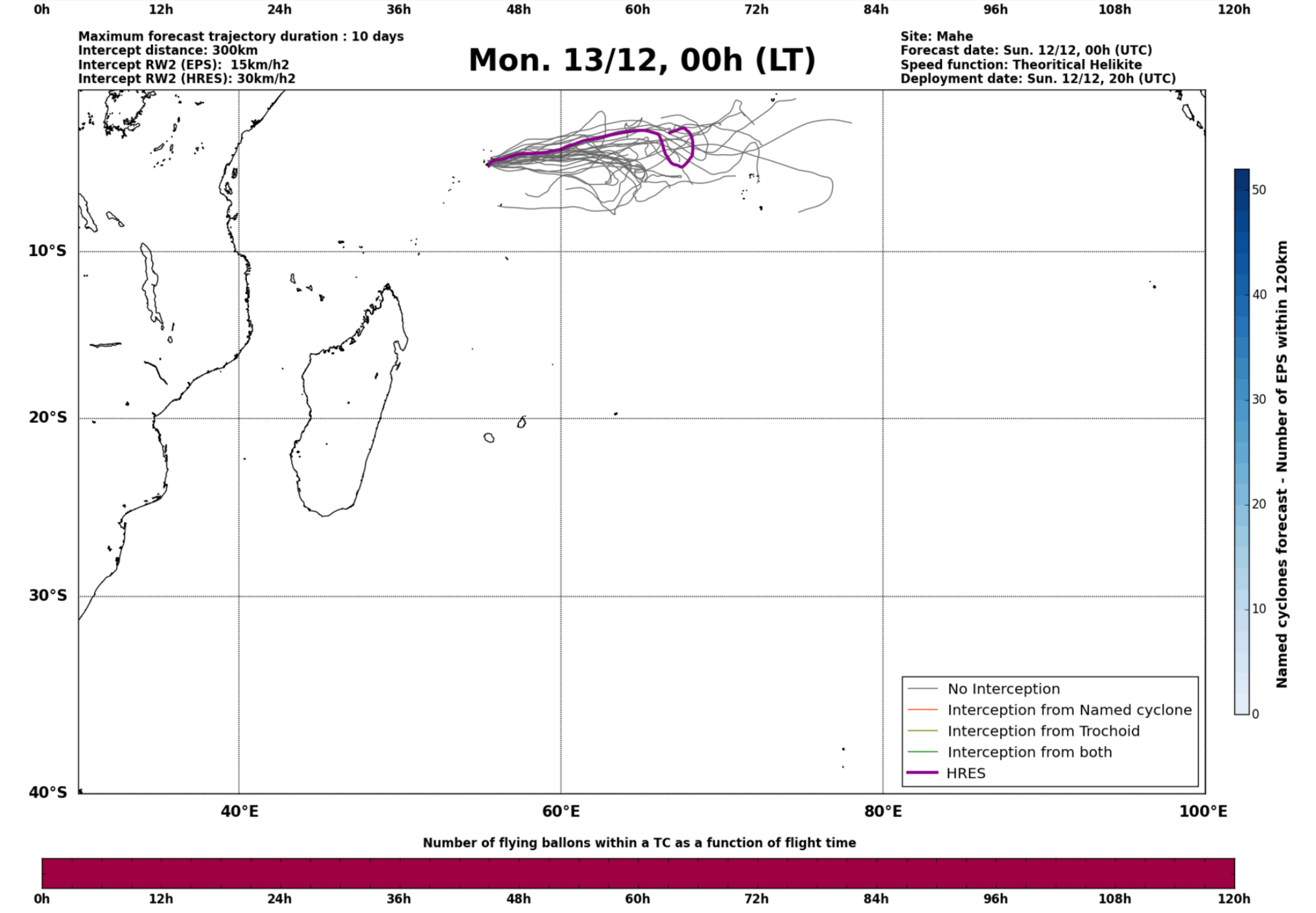
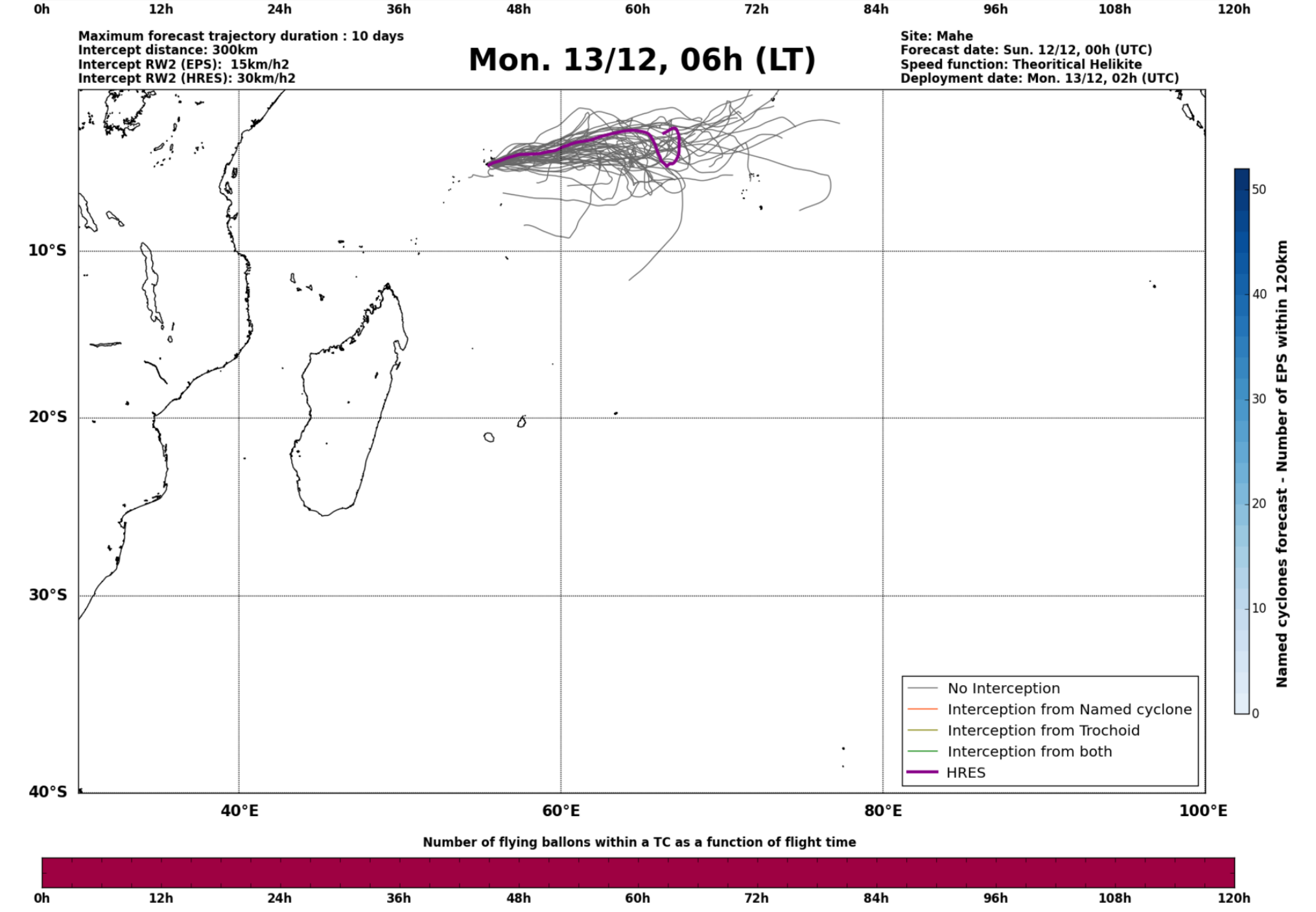
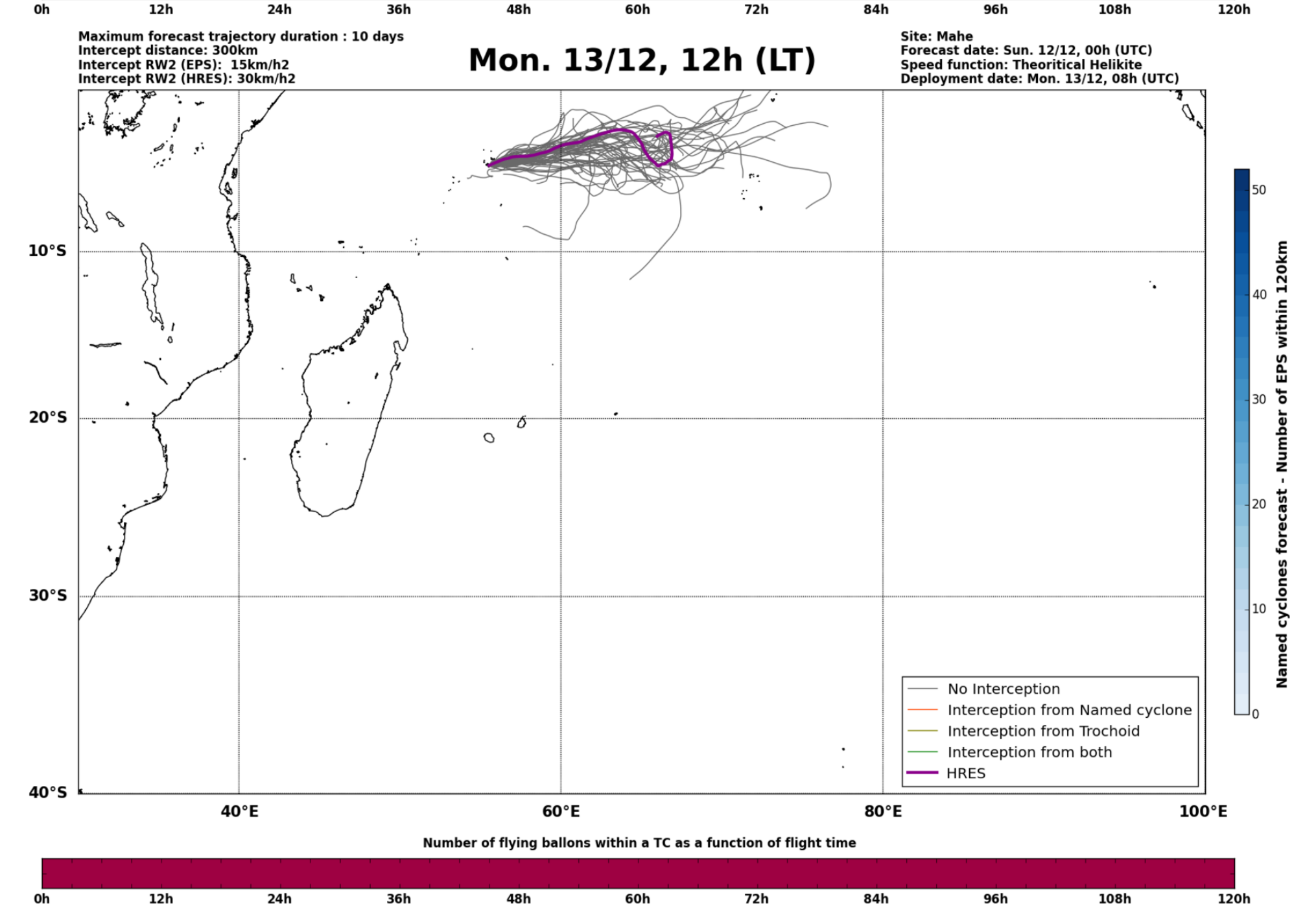
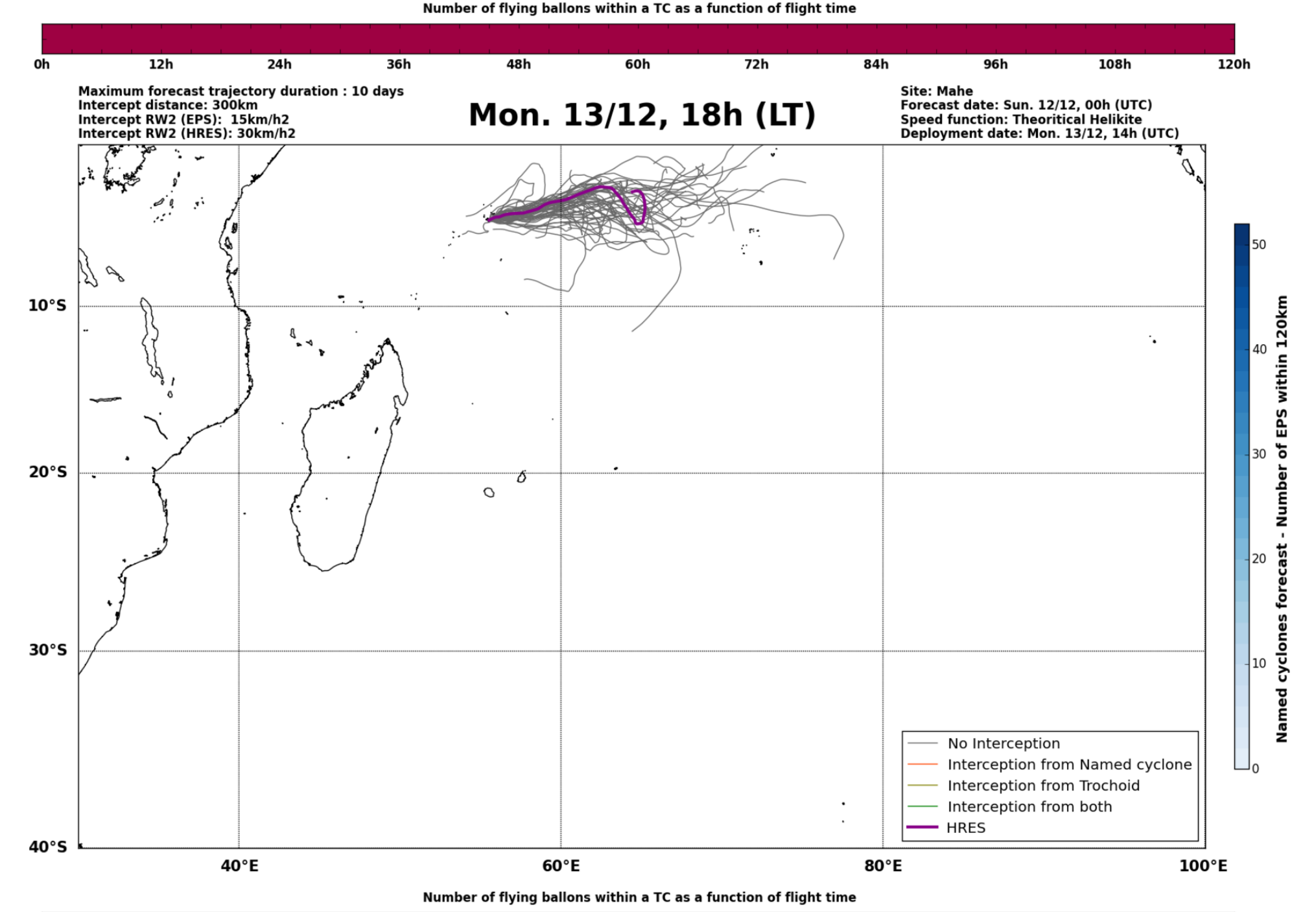

Analysis
Deterministic forecast (HRES)
Data not available
Forecast date: Sun. 12/12, 00h (UTC)
Site: Mahe
Speed function: Theorical Helikite
Method: Named cyclones (300km)
Deployment date (LT)
Sun. 12/12, 18h
Mon. 13/12, 00h
06h
12h
18h
Tue. 14/12, 00h
06h
12h
18h
Wed. 15/12, 00h
06h
12h
18h
Thu. 16/12, 00h
06h
12h
18h
Fri. 17/12, 00h
06h
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
Number of members
0 5 10 15 20 25 30 35 40 45 50
TC Central Pressure at intercept time (hPa)
Minimum TC pressure during measurement period (hPa)
900 920 940 960 980 1000 1020

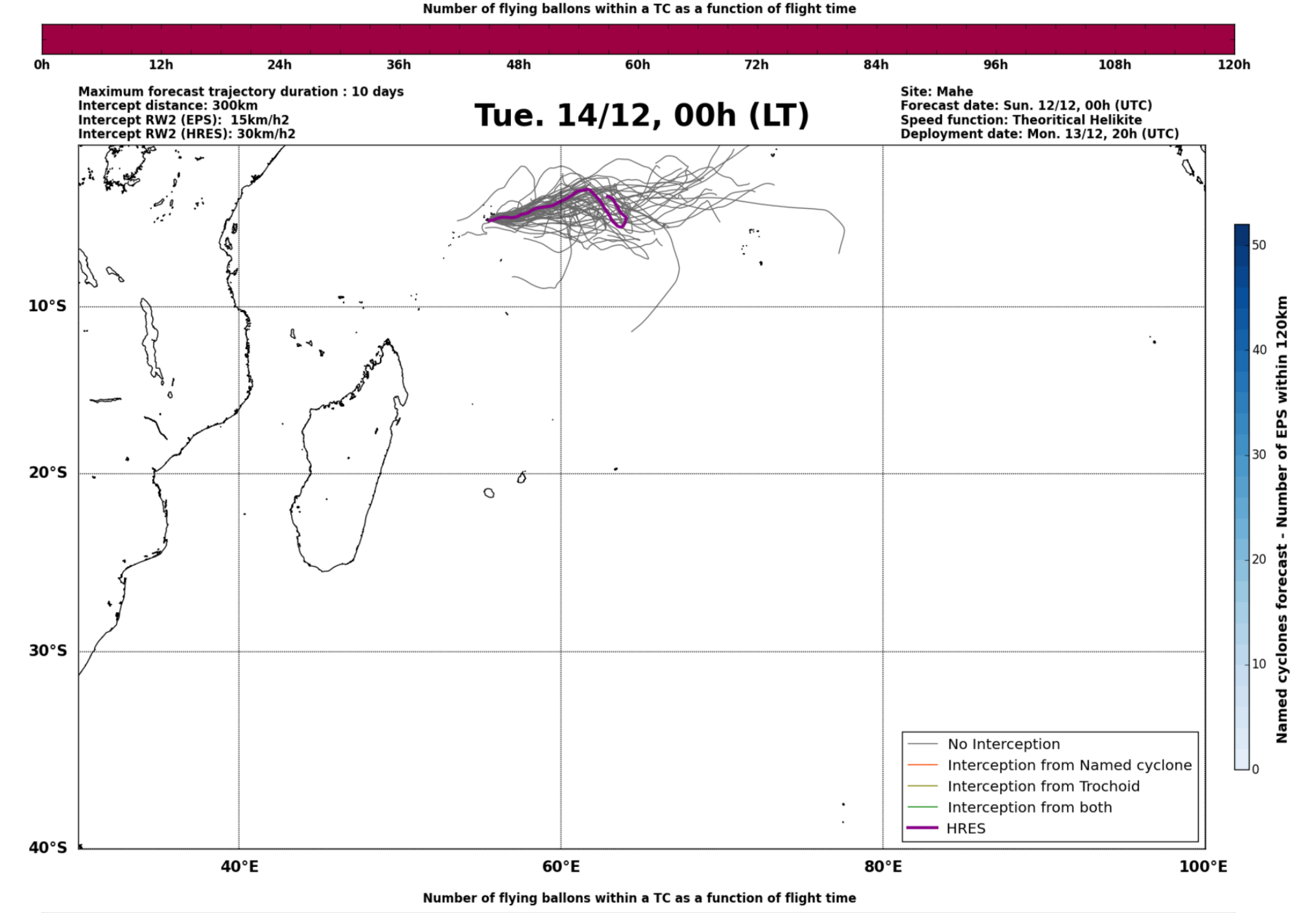

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Sun. 12/12, 18h (LT)
Site: Mahe
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sun. 12/12, 14h (UTC)
10°S
20°S
30°S
40°S
40°E
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
Number of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

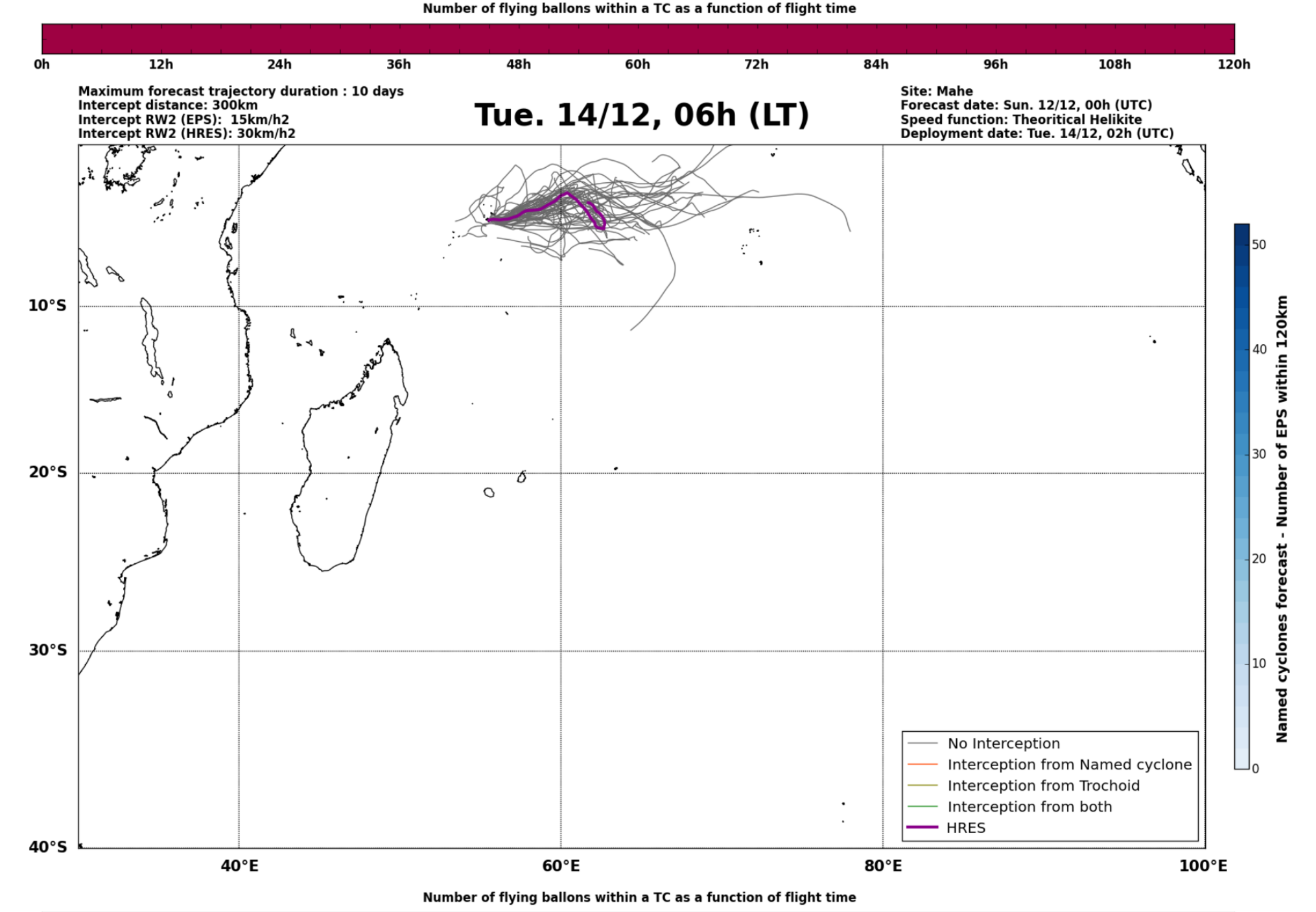

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Mon. 13/12, 00h (LT)
Site: Mahe
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sun. 12/12, 20h (UTC)
10°S
20°S
30°S
40°S
40°E
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
Number of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

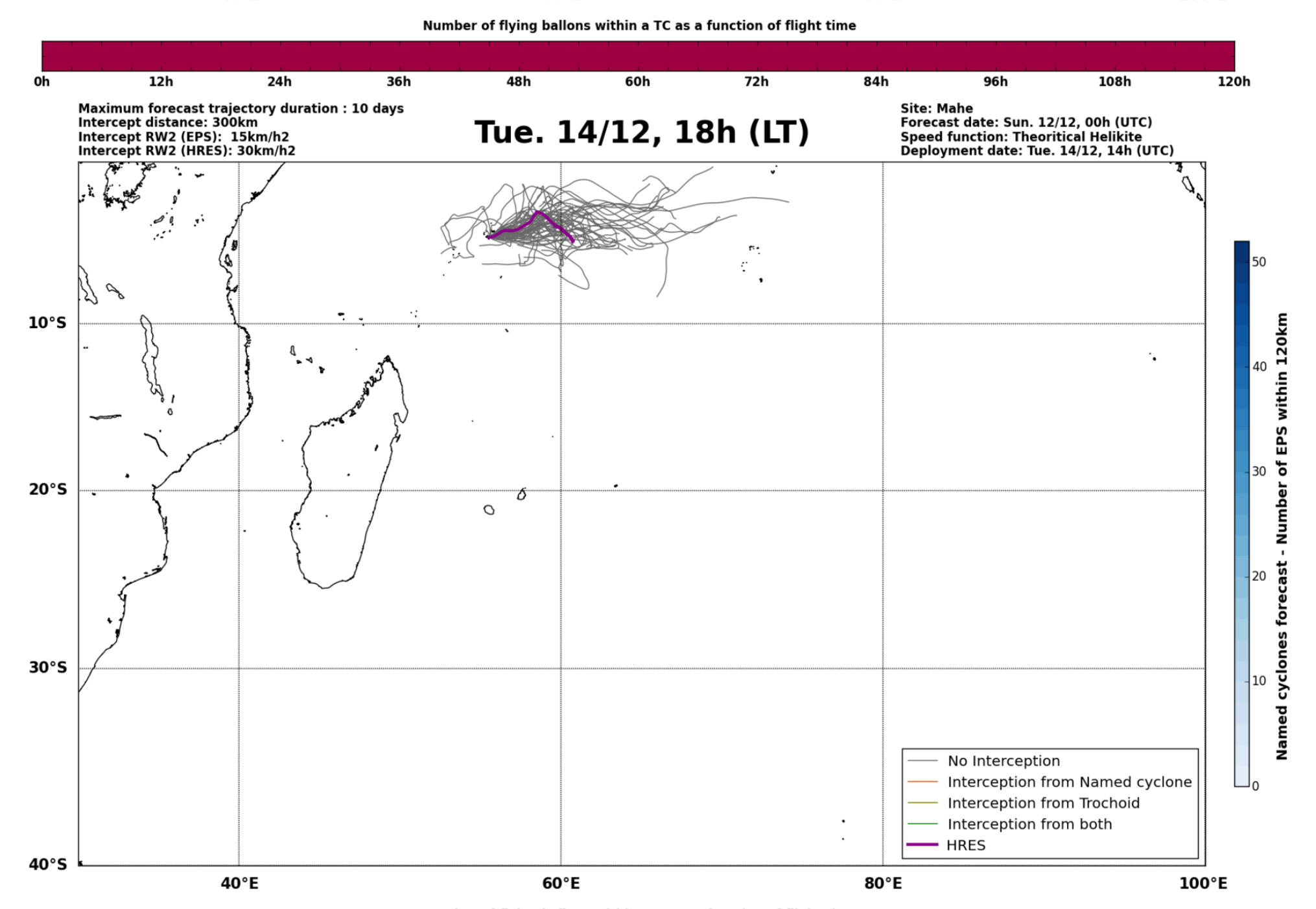

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Mon. 13/12, 06h (LT)
Site: Mahe
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Mon. 13/12, 02h (UTC)
10°S
20°S
30°S
40°S
40°E
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
Number of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

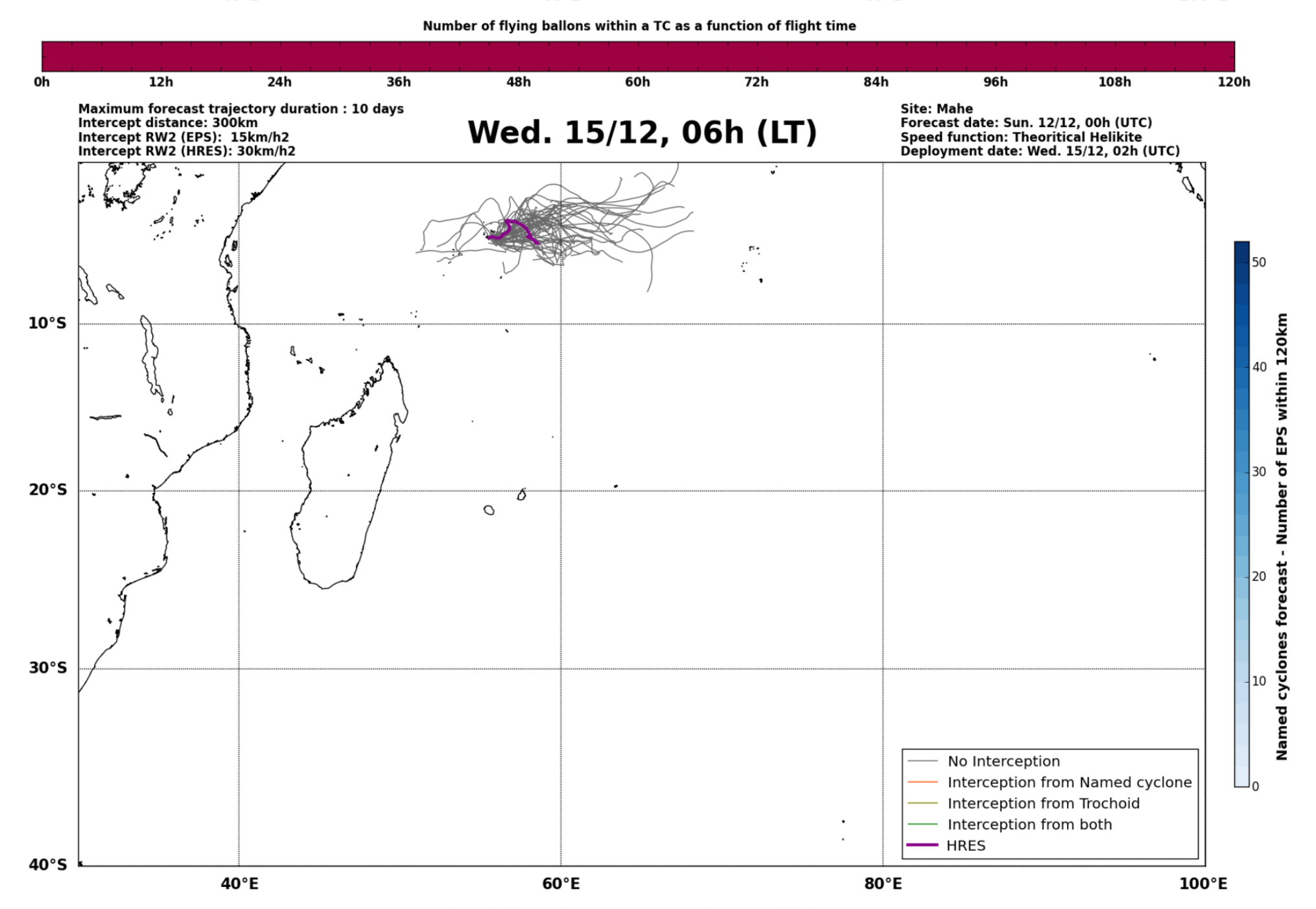

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Mon. 13/12, 12h (LT)
Site: Mahe
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Mon. 13/12, 08h (UTC)
10°S
20°S
30°S
40°S
40°E
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
Number of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

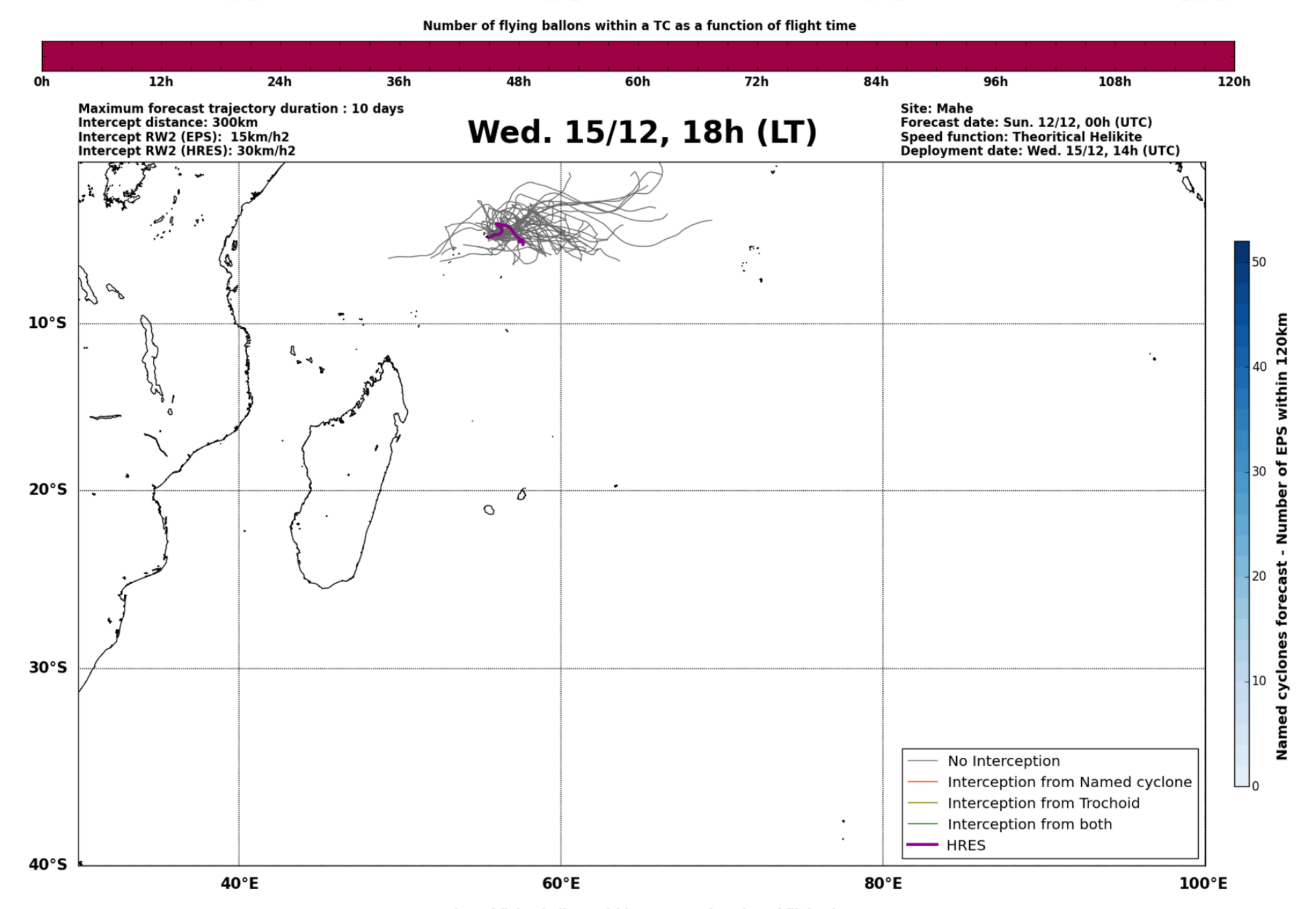

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Mon. 13/12, 18h (LT)
Site: Mahe
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Mon. 13/12, 14h (UTC)
10°S
20°S
30°S
40°S
40°E
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
Number of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

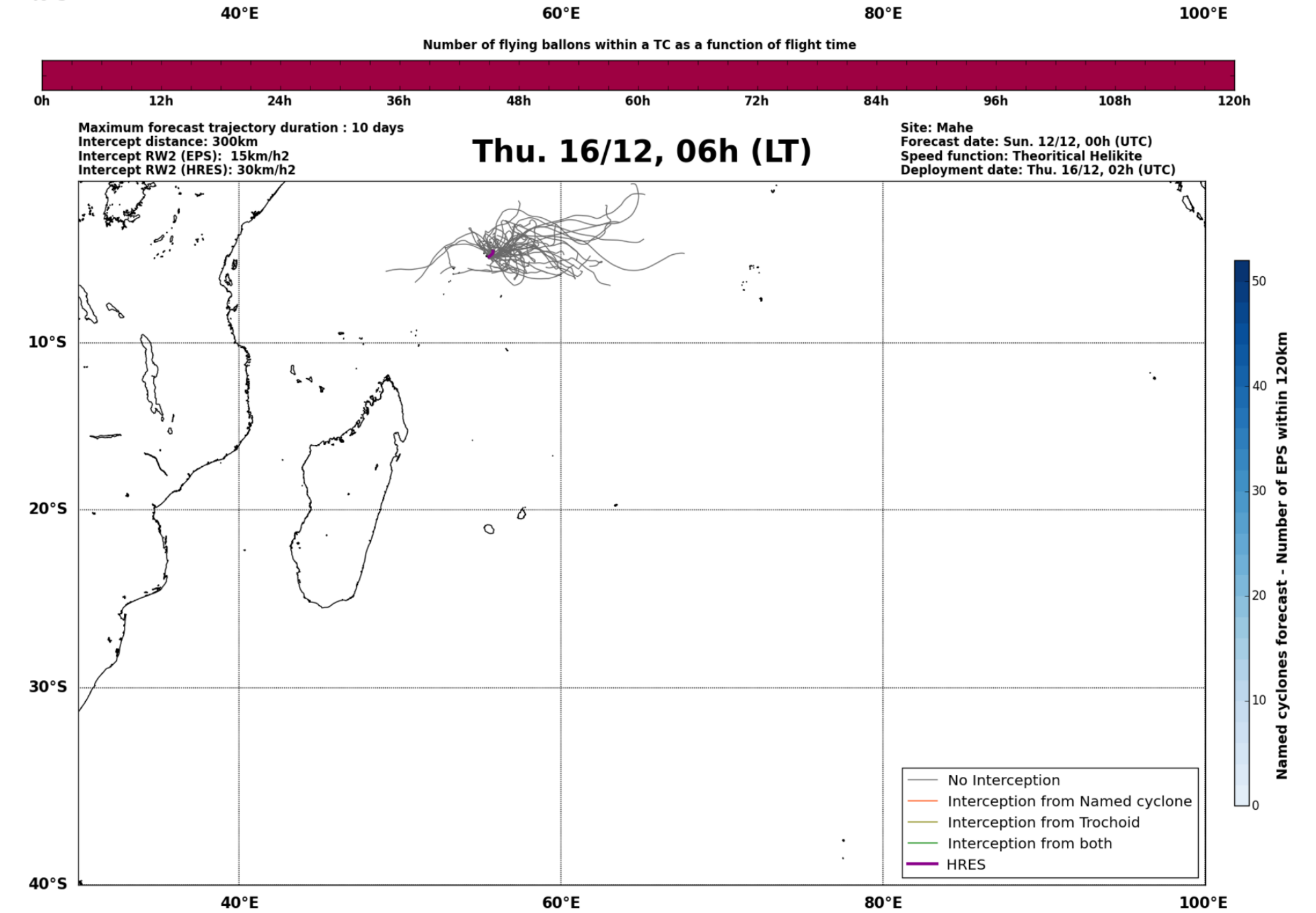

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Tue. 14/12, 00h (LT)
Site: Mahe
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Mon. 13/12, 20h (UTC)
10°S
20°S
30°S
40°S
40°E
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
Number of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

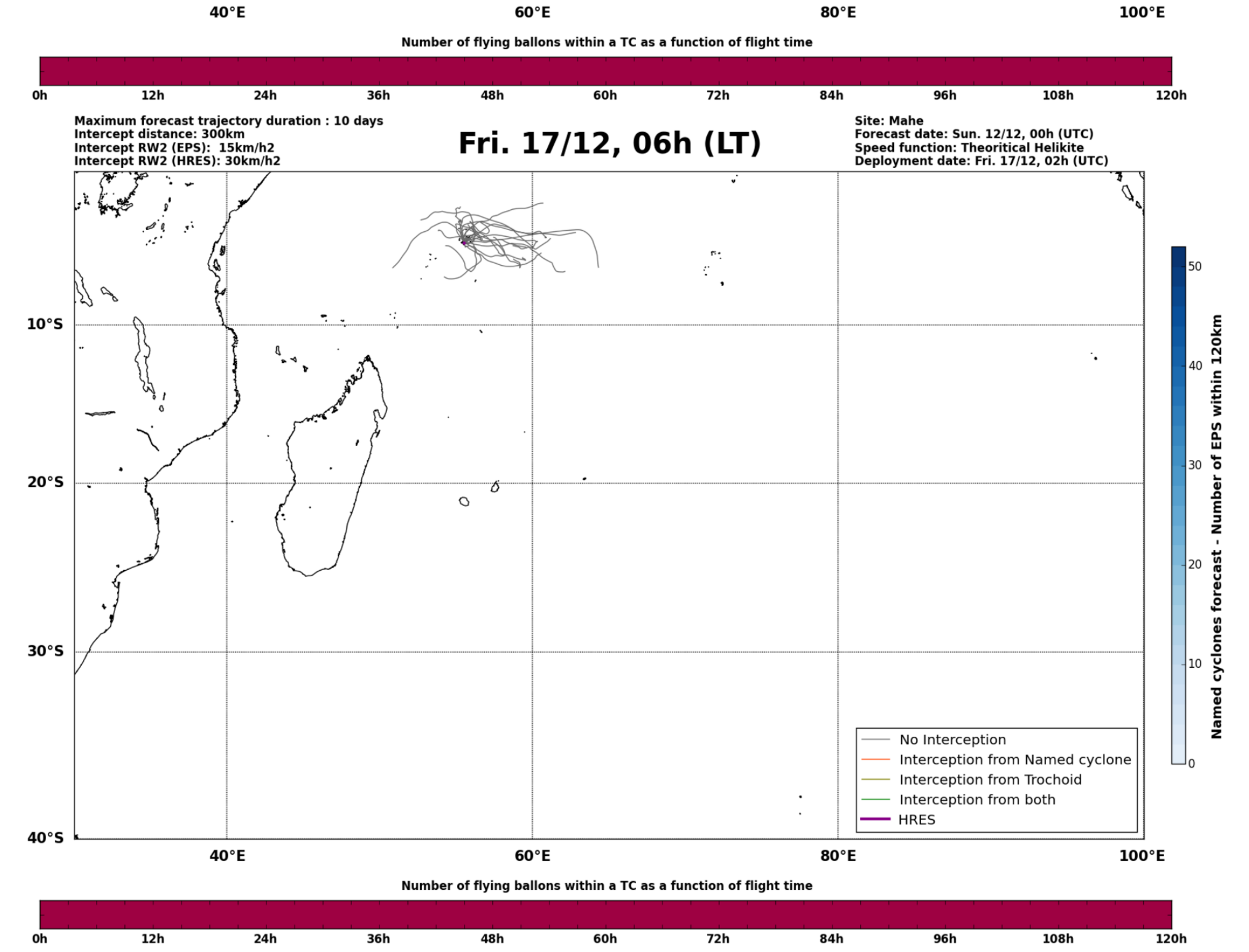

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Tue. 14/12, 06h (LT)
Site: Mahe
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Tue. 14/12, 02h (UTC)
10°S
20°S
30°S
40°S
40°E
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
Number of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

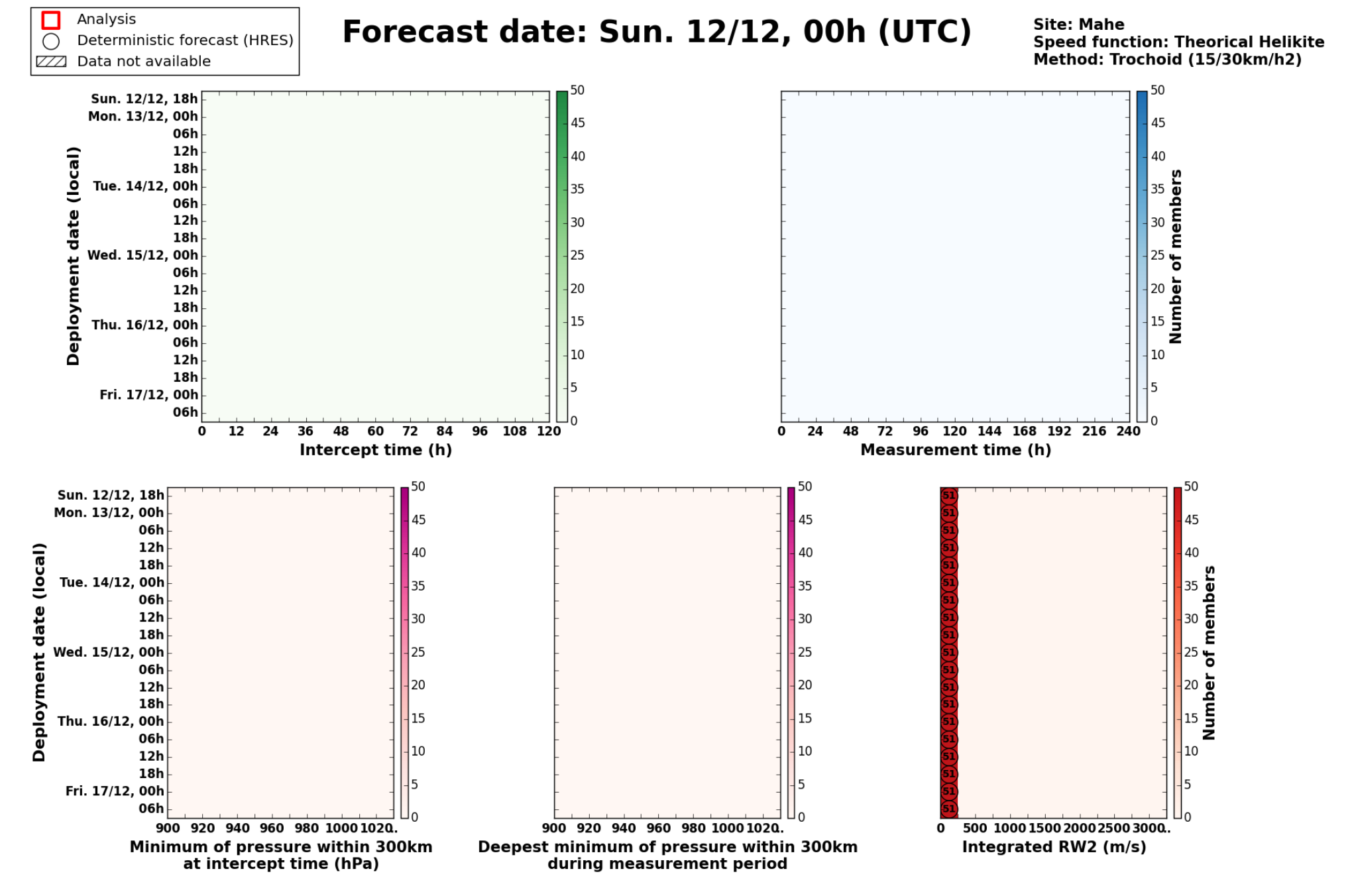

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Tue. 14/12, 18h (LT)
Site: Mahe
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Tue. 14/12, 14h (UTC)
10°S
20°S
30°S
40°S
40°E
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
Number of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

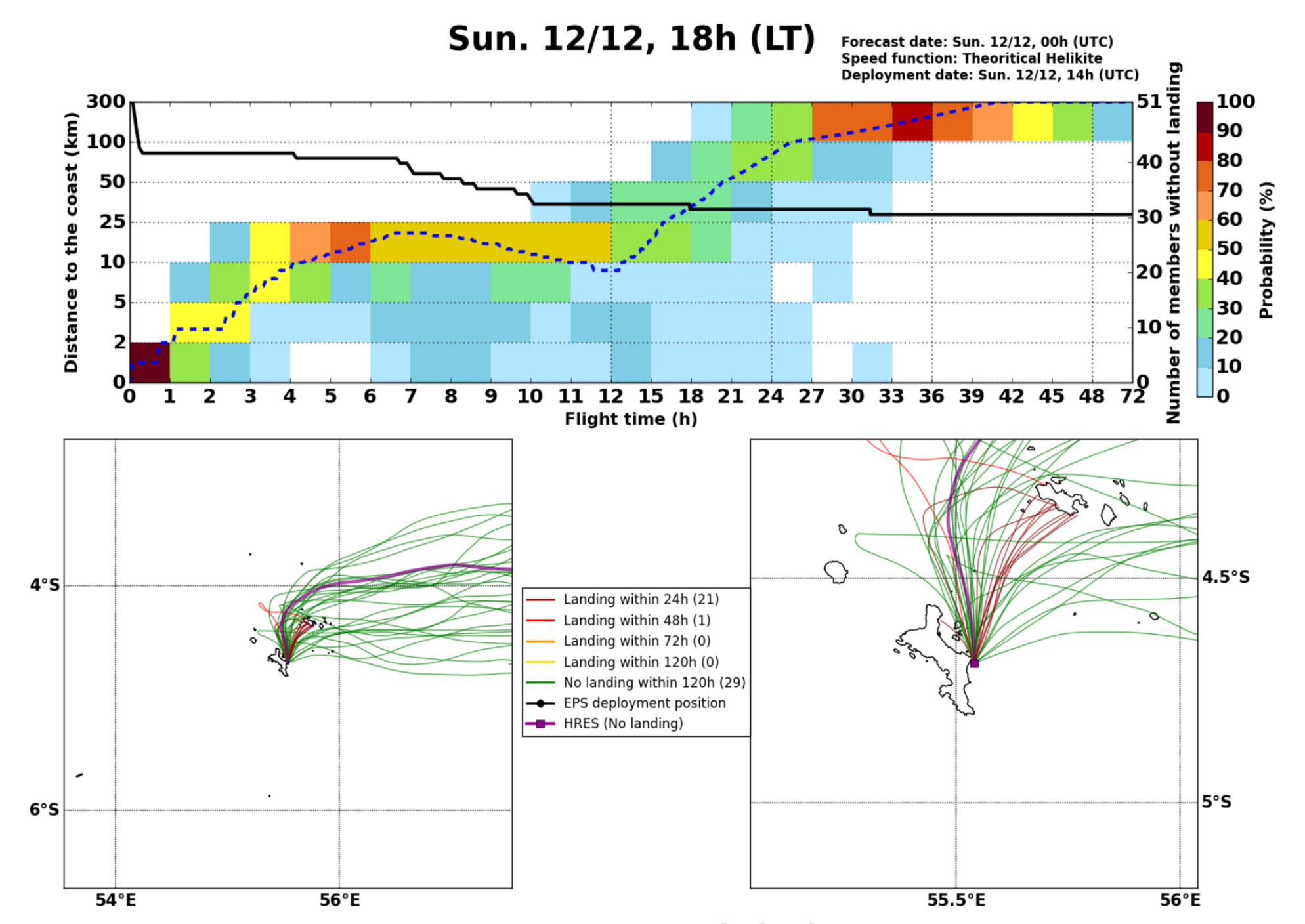

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Wed. 15/12, 06h (LT)
Site: Mahe
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Wed. 15/12, 02h (UTC)
10°S
20°S
30°S
40°S
40°E
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
Number of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

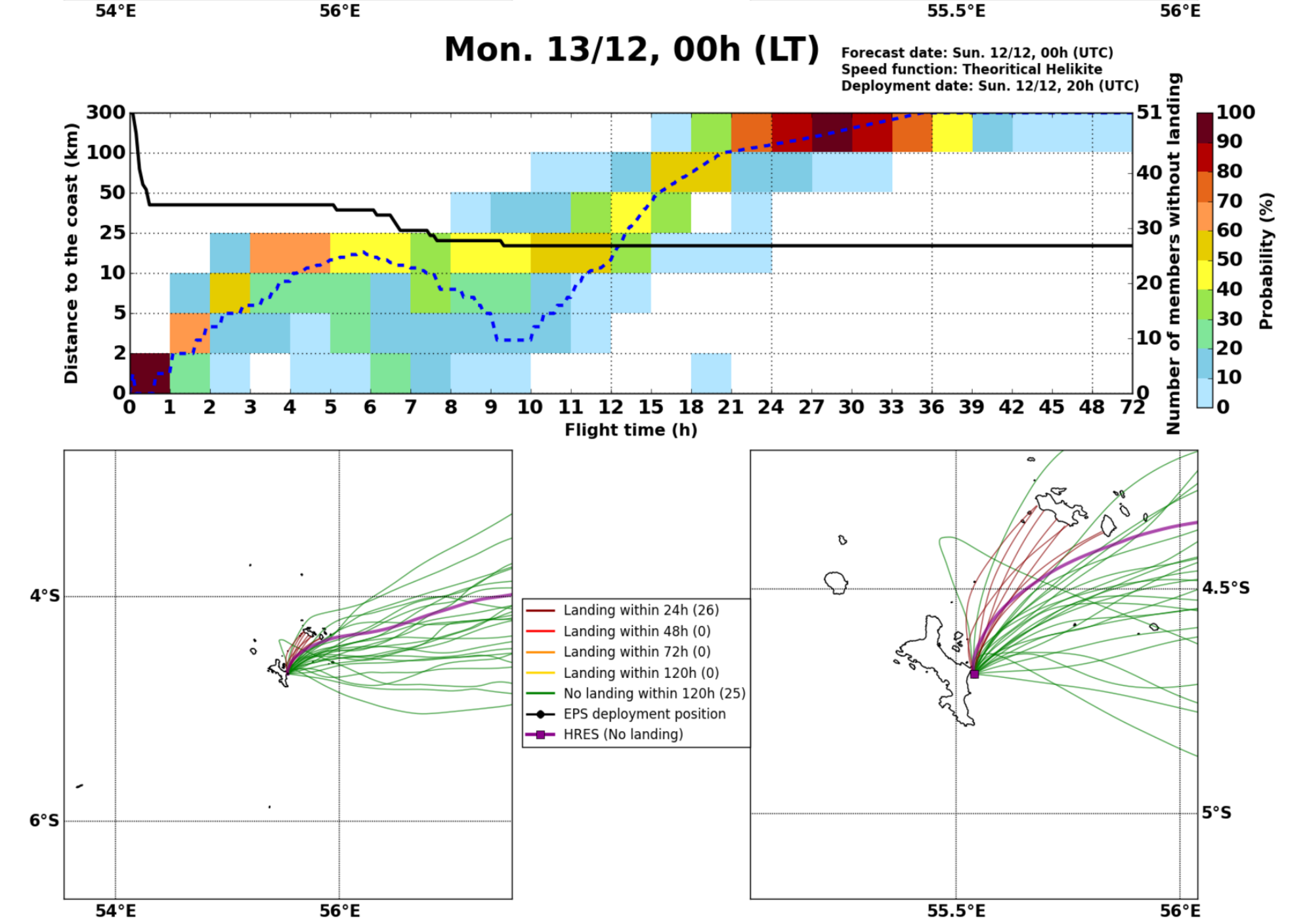

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Wed. 15/12, 18h (LT)
Site: Mahe
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Wed. 15/12, 14h (UTC)
10°S
20°S
30°S
40°S
40°E
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
Number of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

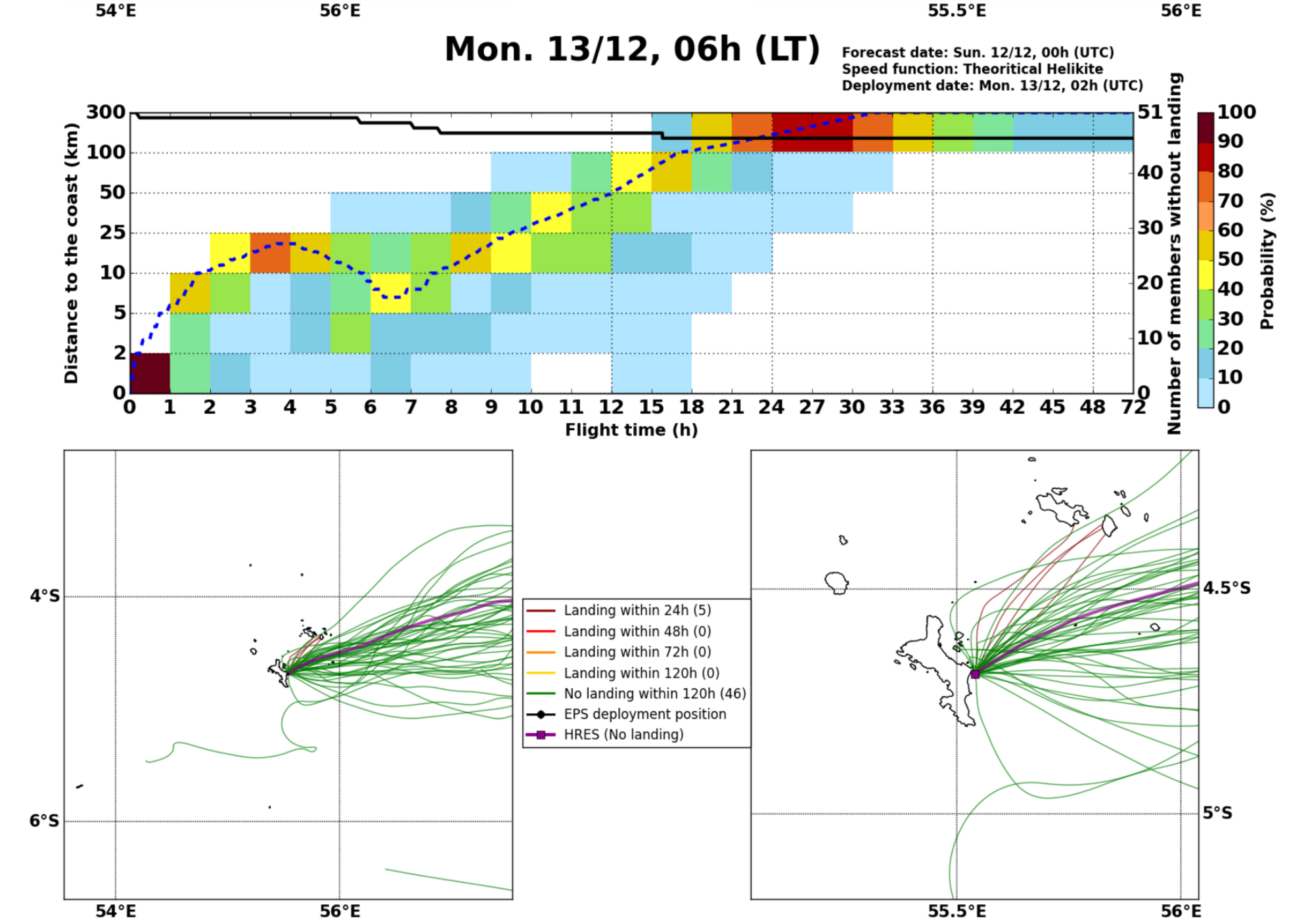

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Thu. 16/12, 06h (LT)
Site: Mahe
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Thu. 16/12, 02h (UTC)
10°S
20°S
30°S
40°S
40°E
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
Number of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

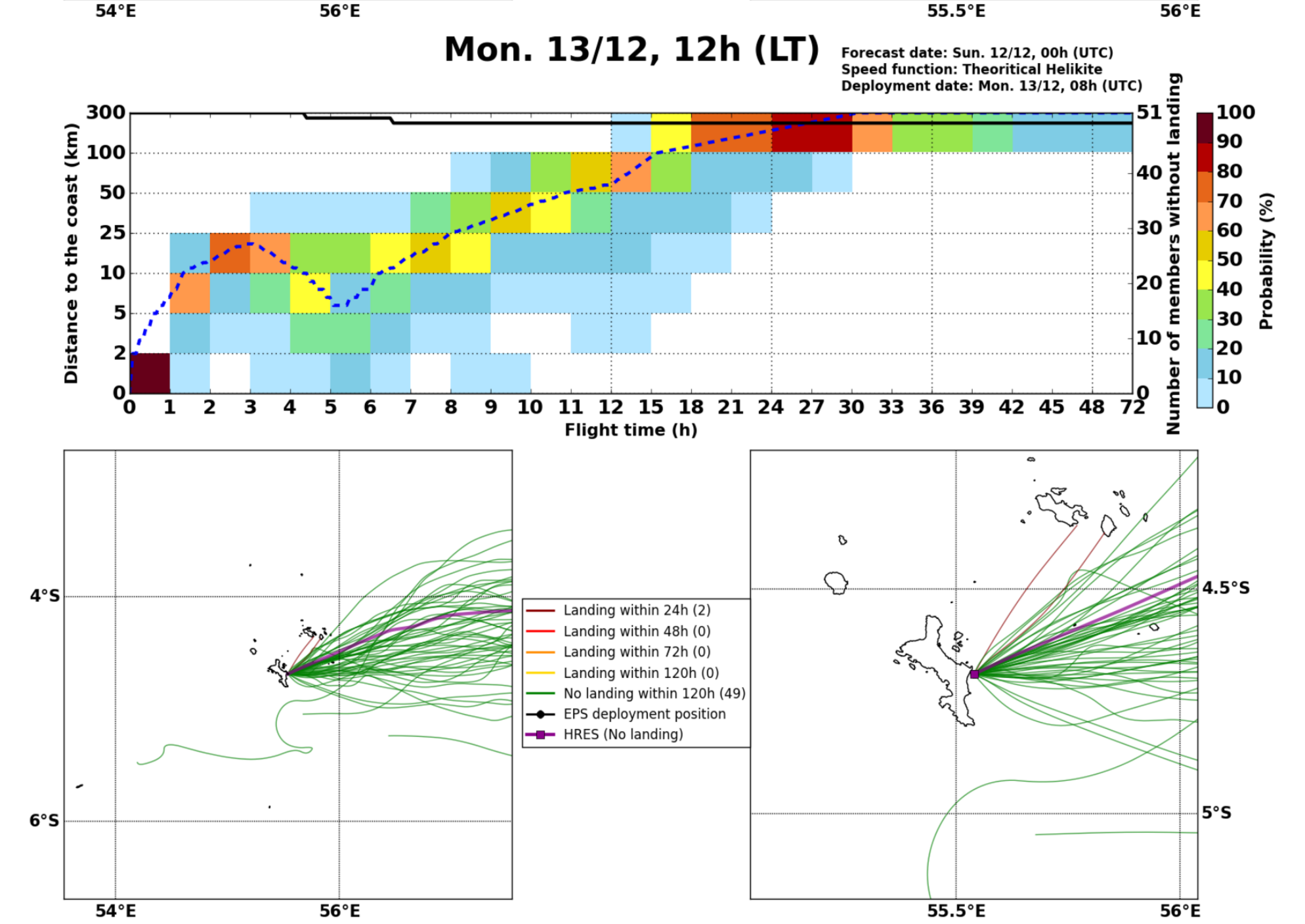

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Fri. 17/12, 06h (LT)
Site: Mahe
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Fri. 17/12, 02h (UTC)
10°S
20°S
30°S
40°S
40°E
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
Number of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

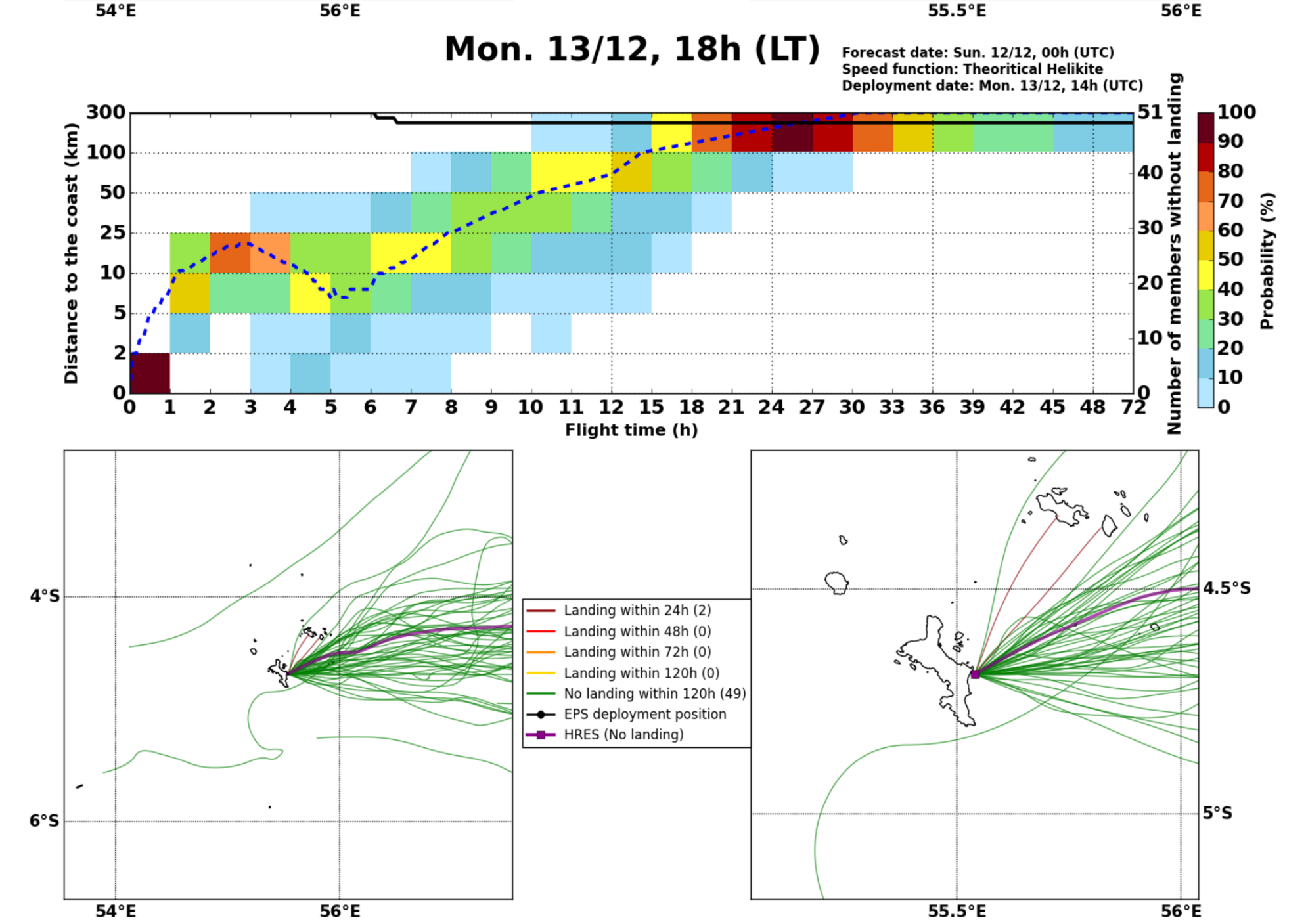

Analysis
Deterministic forecast (HRES)
Data not available
Forecast date: Sun. 12/12, 00h (UTC)
Site: Mahe
Speed function: Theorical Helikite
Method: Trochoid (15/30km/h2)
Deployment date (local)
Sun. 12/12, 18h
Mon. 13/12, 00h
06h
12h
18h
Tue. 14/12, 00h
06h
12h
18h
Wed. 15/12, 00h
06h
12h
18h
Thu. 16/12, 00h
06h
12h
18h
Fri. 17/12, 00h
06h
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
Number of members
0 5 10 15 20 25 30 35 40 45 50
Minimum of pressure within 300km at intercept time (hPa)
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
51

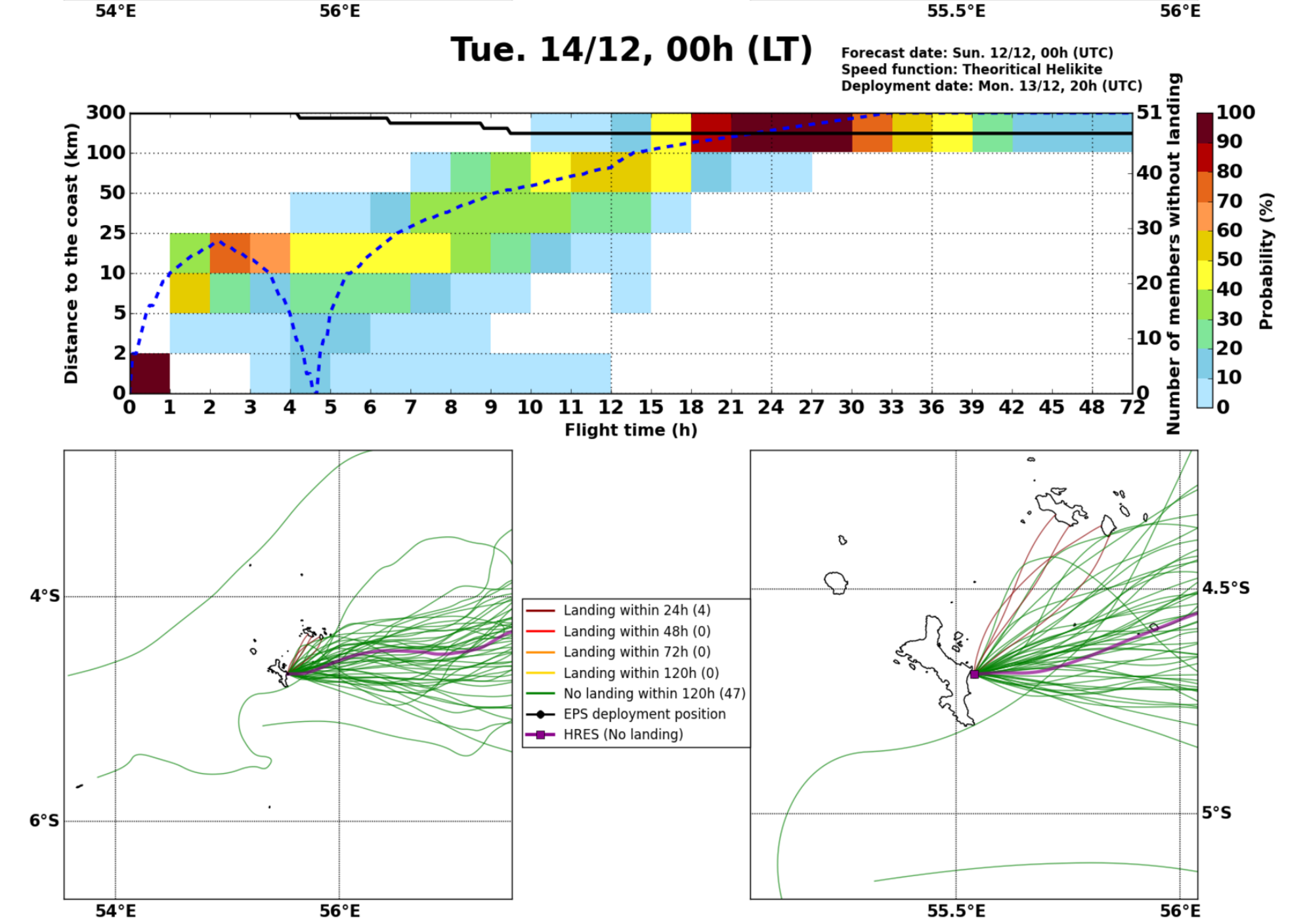

Sun. 12/12, 18h (LT)
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sun. 12/12, 14h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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 (21)
Landing within 48h (1)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (29)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E

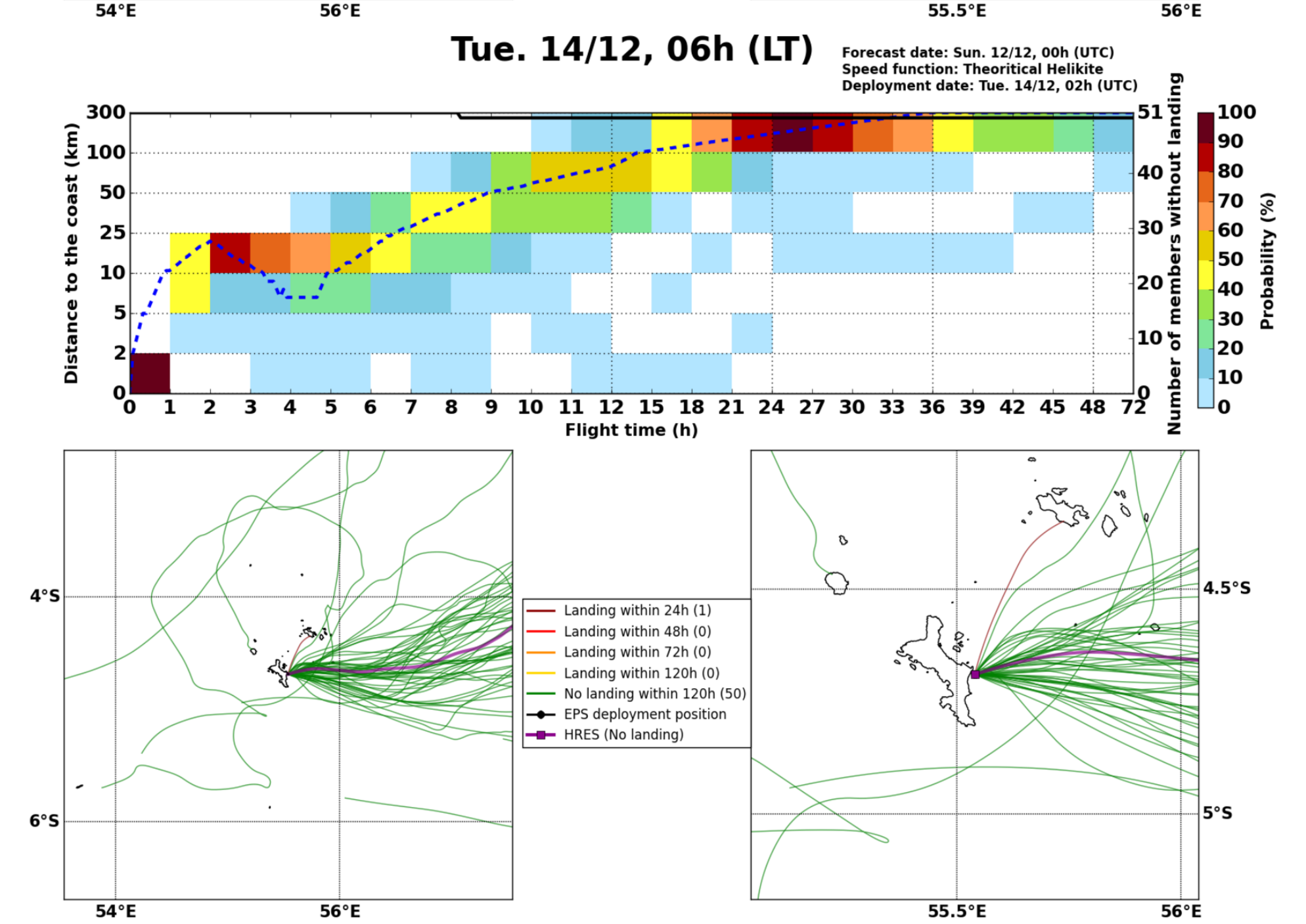

Mon. 13/12, 00h (LT)
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sun. 12/12, 20h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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 (26)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (25)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E

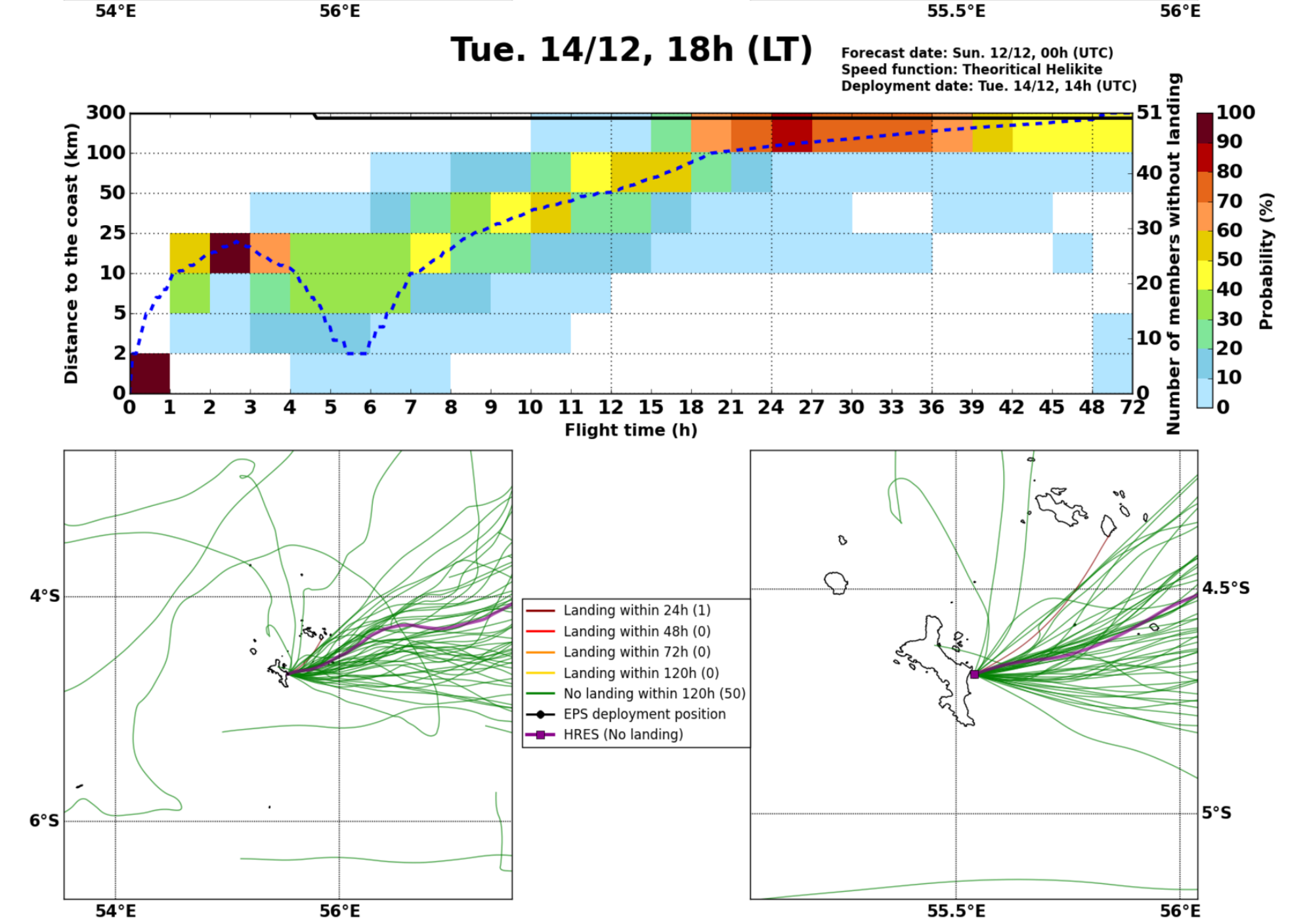

Mon. 13/12, 06h (LT)
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Mon. 13/12, 02h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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 (5)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (46)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E

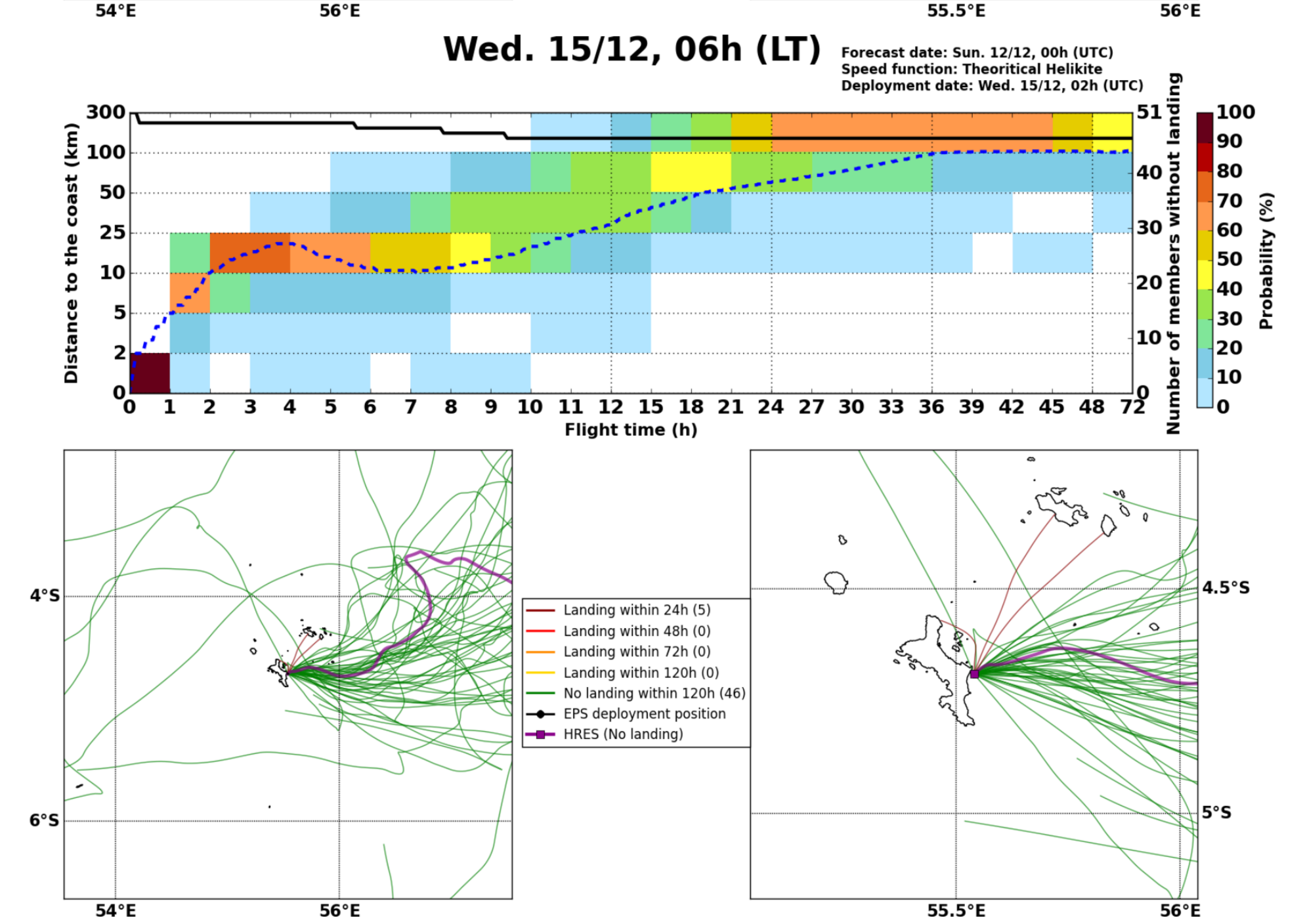

Mon. 13/12, 12h (LT)
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Mon. 13/12, 08h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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 (2)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (49)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E

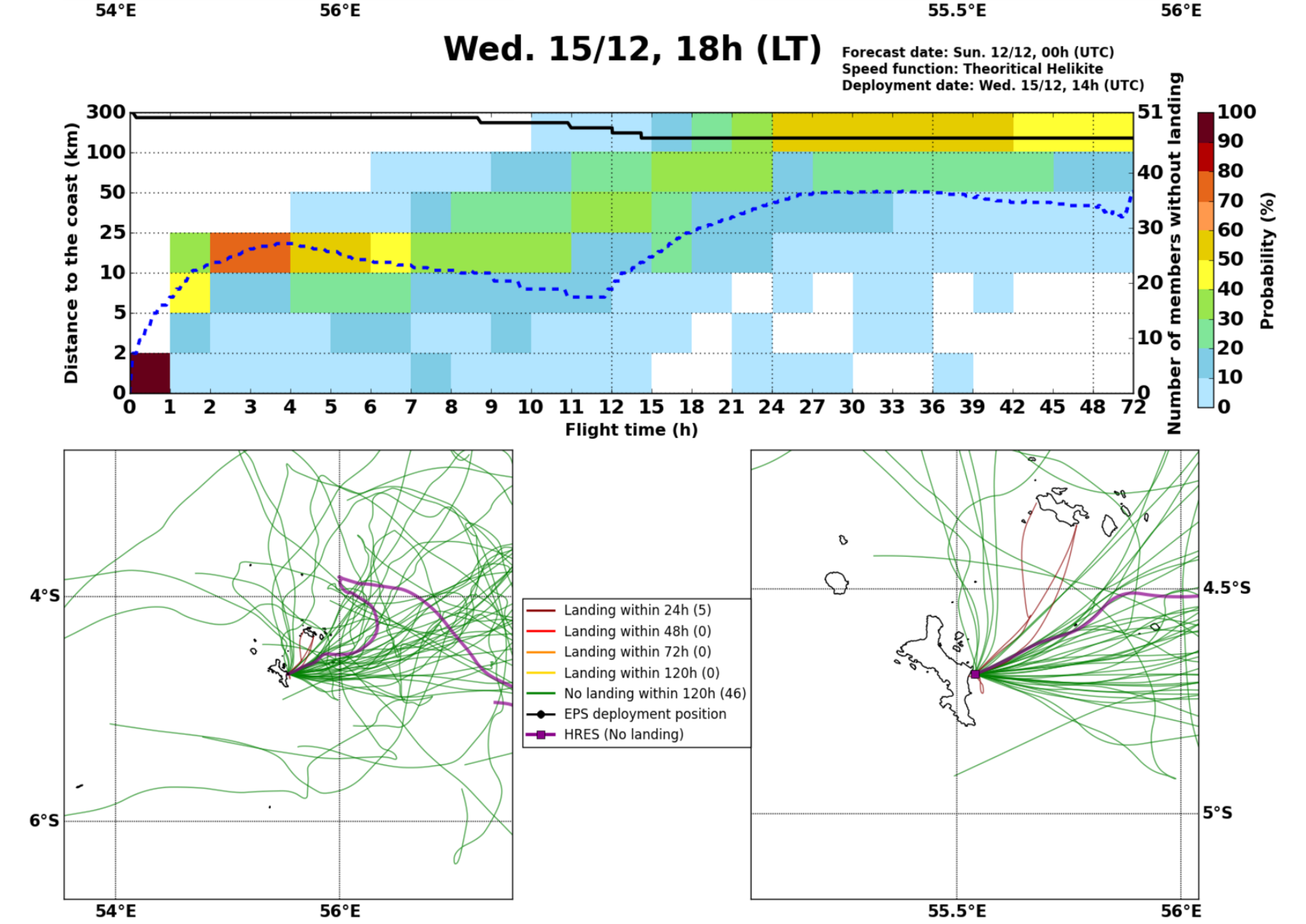

Mon. 13/12, 18h (LT)
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Mon. 13/12, 14h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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 (2)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (49)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E

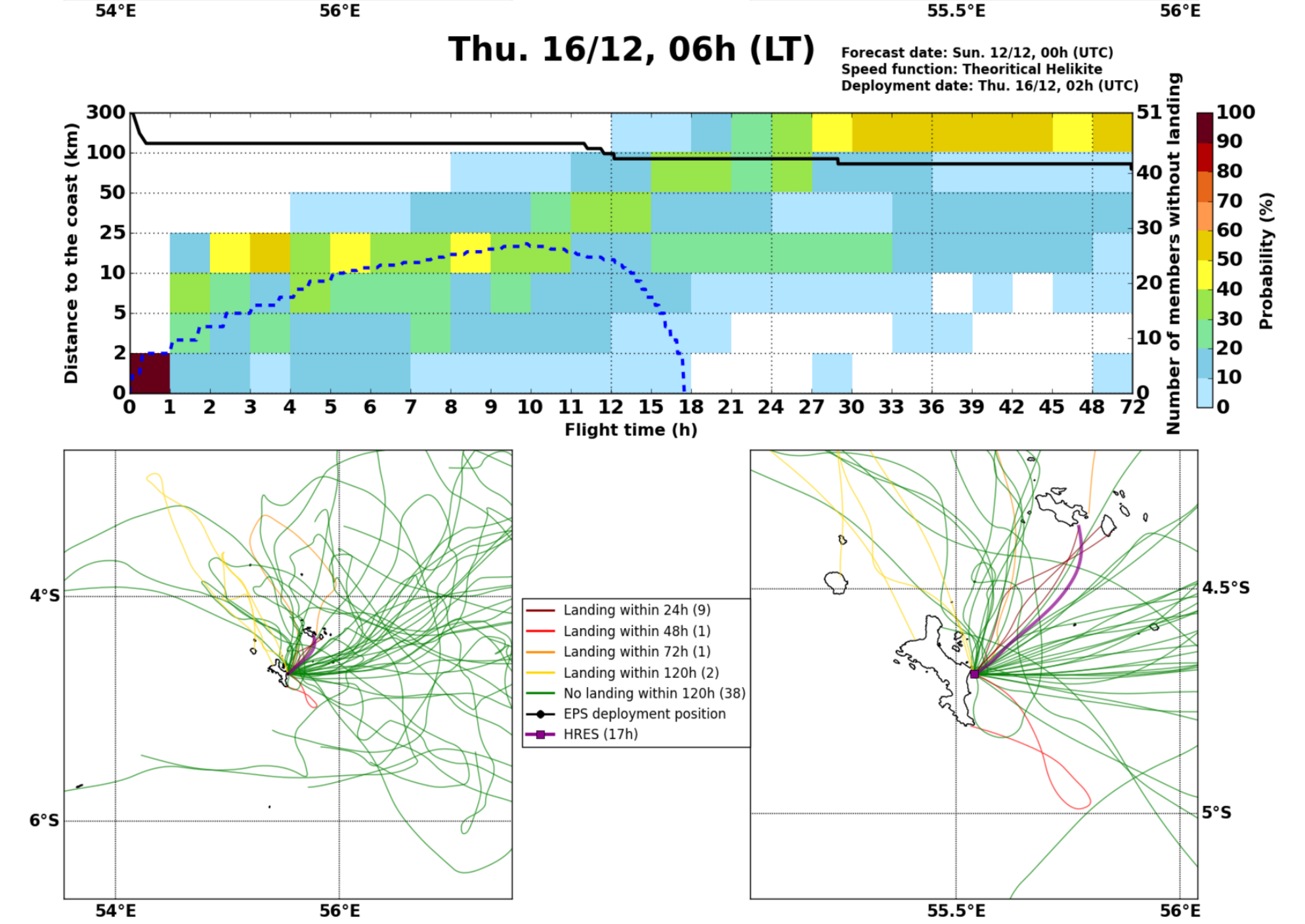

Tue. 14/12, 00h (LT)
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Mon. 13/12, 20h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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 (4)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (47)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E

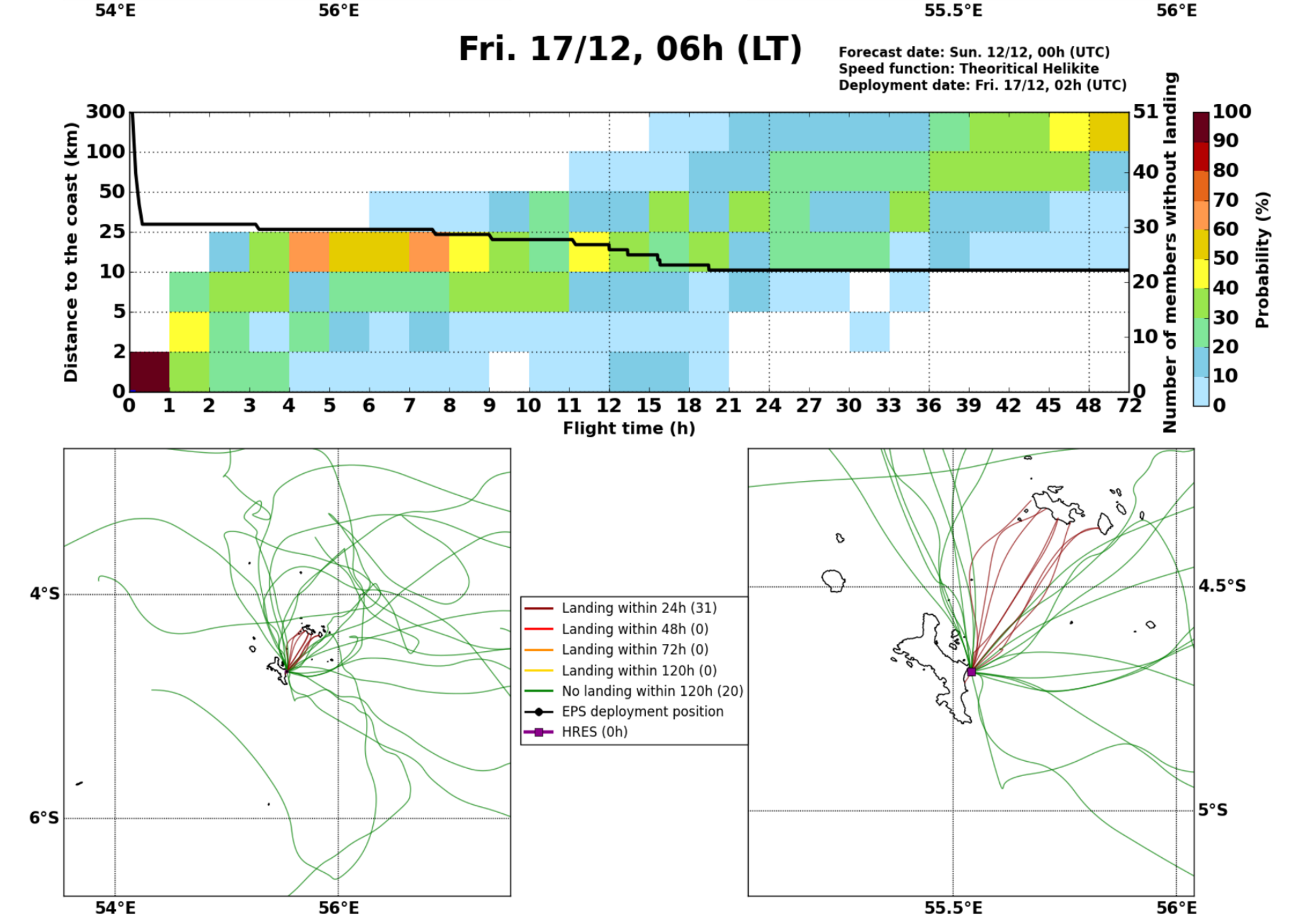

Tue. 14/12, 06h (LT)
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Tue. 14/12, 02h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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


Tue. 14/12, 18h (LT)
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Tue. 14/12, 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


Wed. 15/12, 06h (LT)
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Wed. 15/12, 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 (5)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (46)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E


Wed. 15/12, 18h (LT)
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Wed. 15/12, 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 (5)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (46)
EPS deployment position
HRES (No landing)
4.5°S
5°S
55.5°E
56°E


Thu. 16/12, 06h (LT)
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Thu. 16/12, 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 (9)
Landing within 48h (1)
Landing within 72h (1)
Landing within 120h (2)
No landing within 120h (38)
EPS deployment position
HRES (17h)
4.5°S
5°S
55.5°E
56°E


Fri. 17/12, 06h (LT)
Forecast date: Sun. 12/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Fri. 17/12, 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 (31)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (0)
No landing within 120h (20)
EPS deployment position
HRES (0h)
4.5°S
5°S
55.5°E
56°E