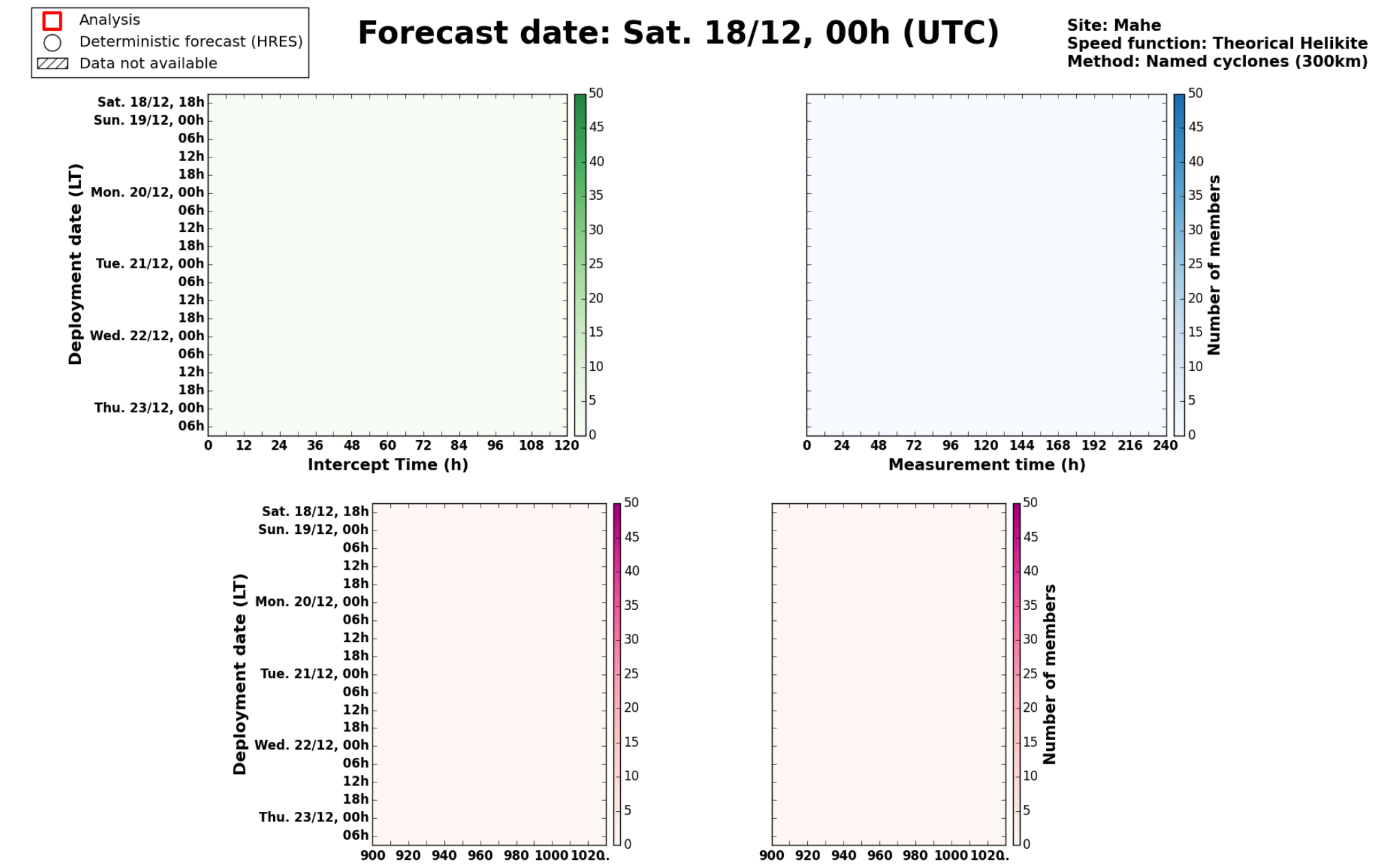
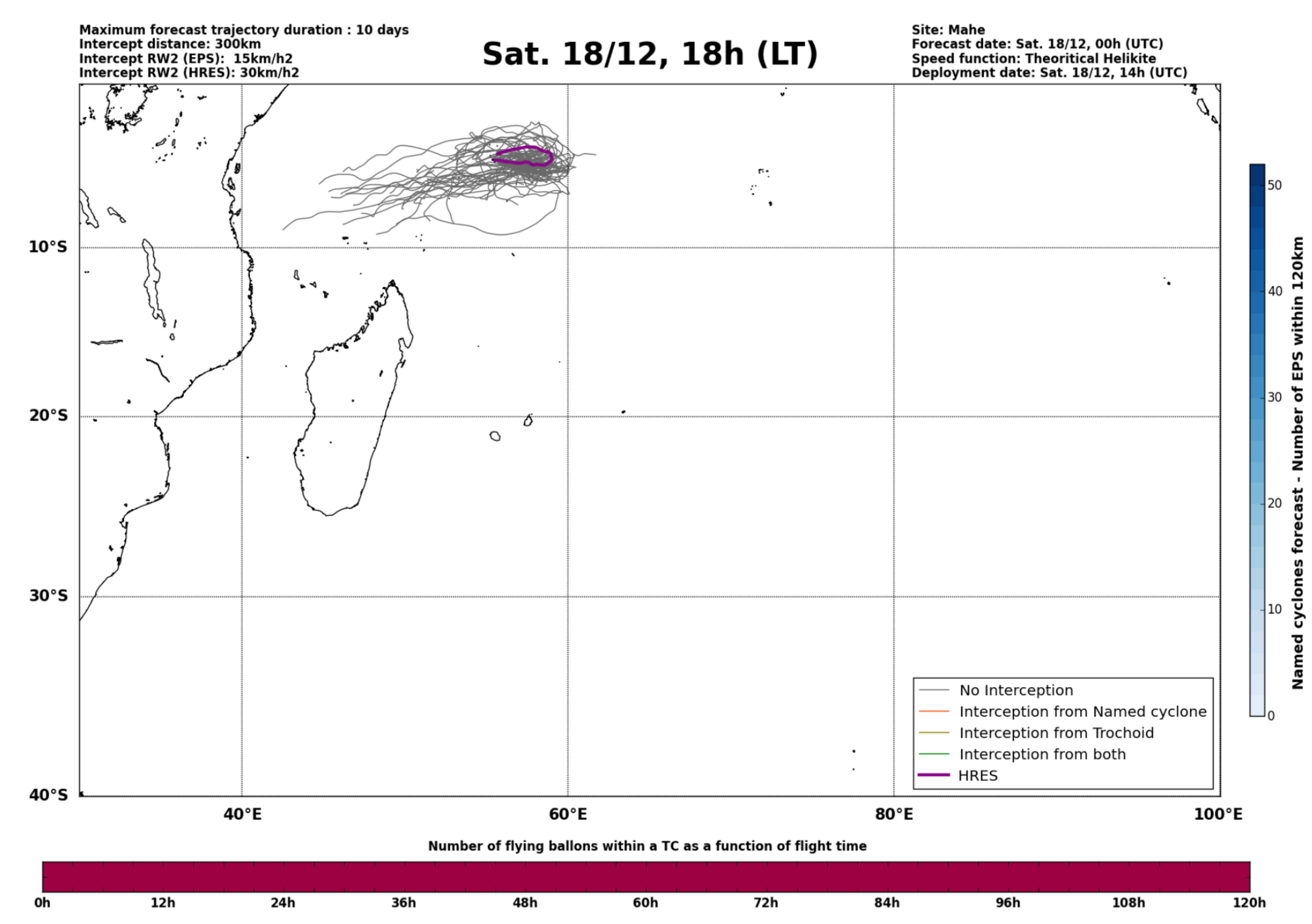
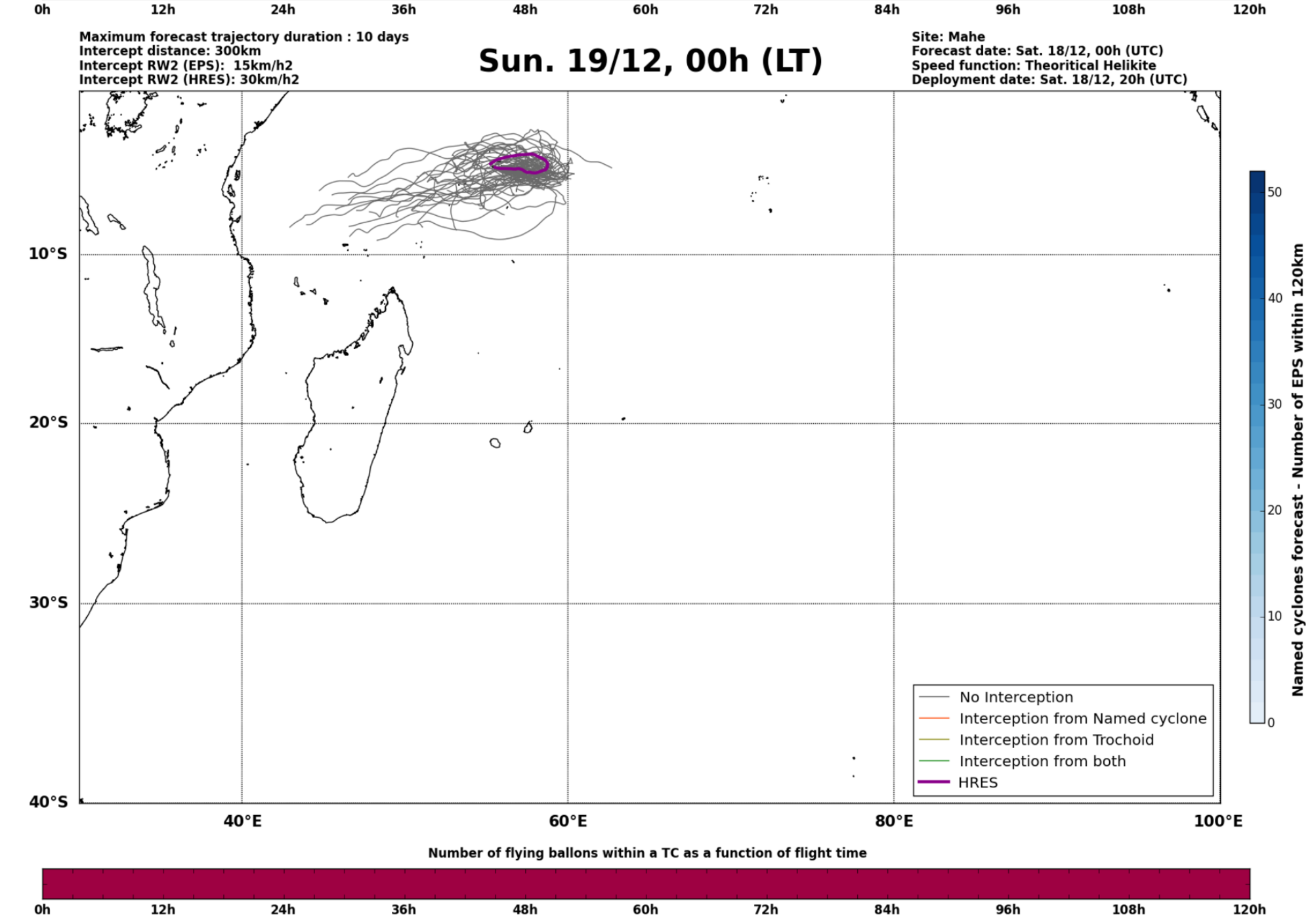
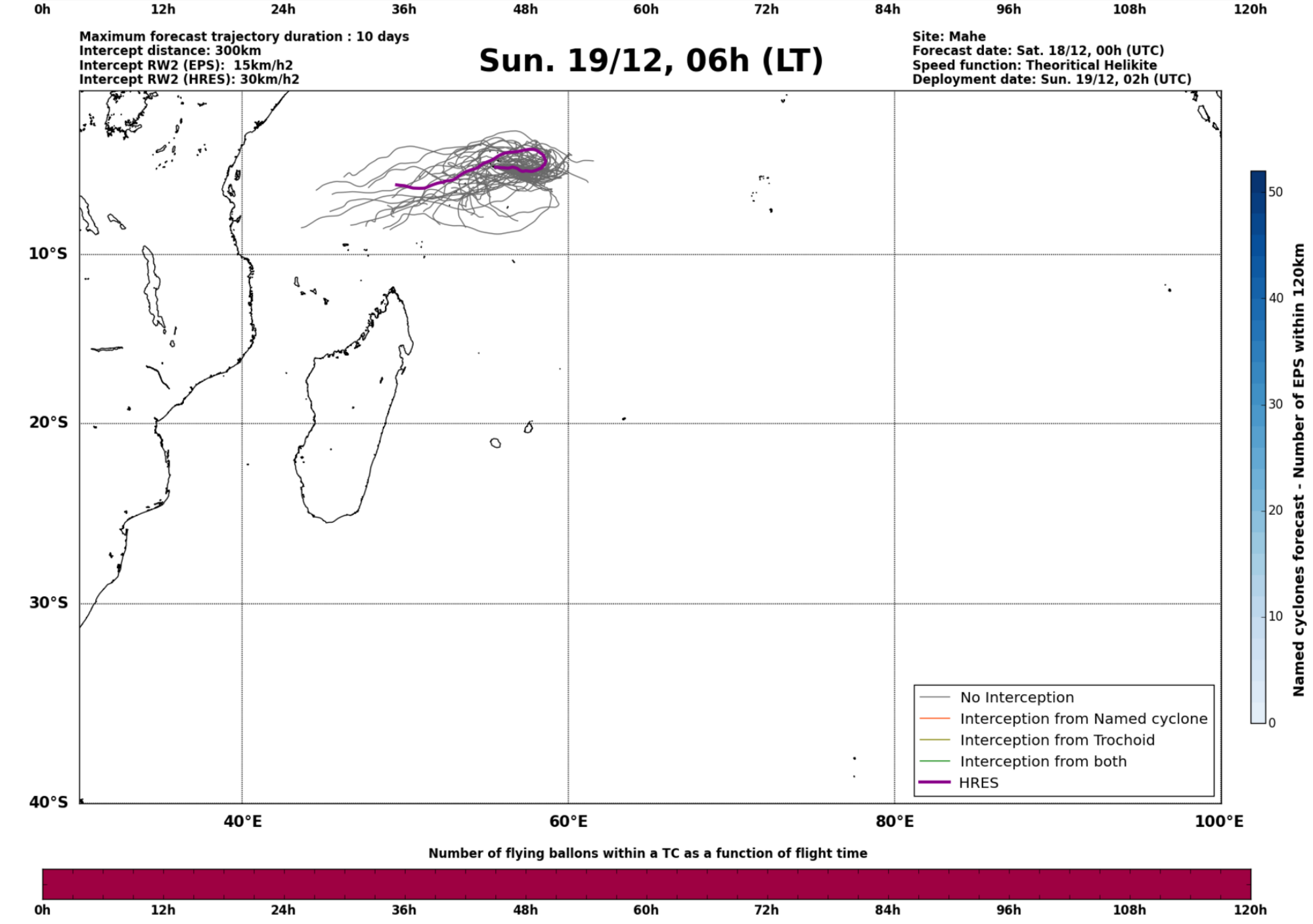
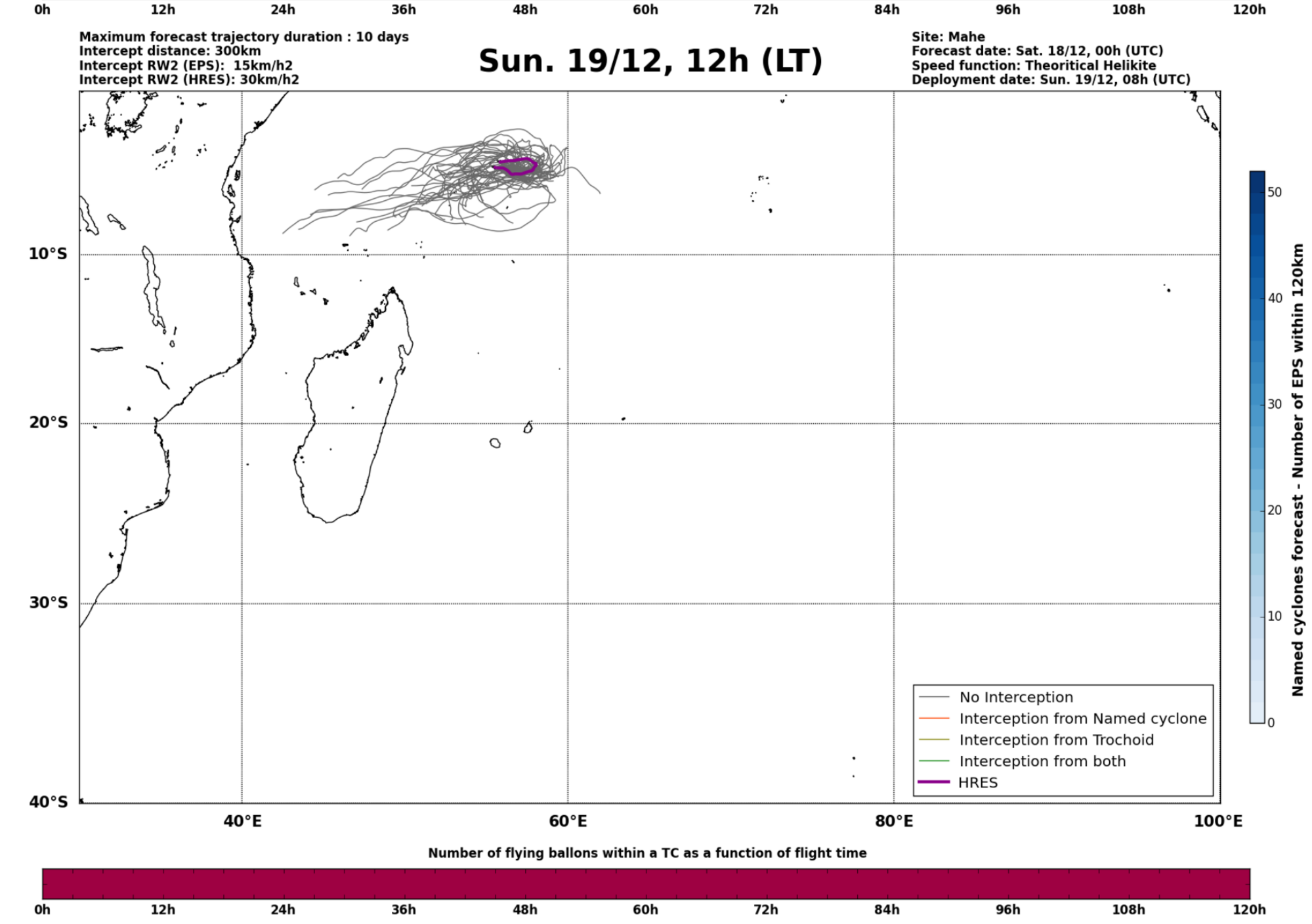
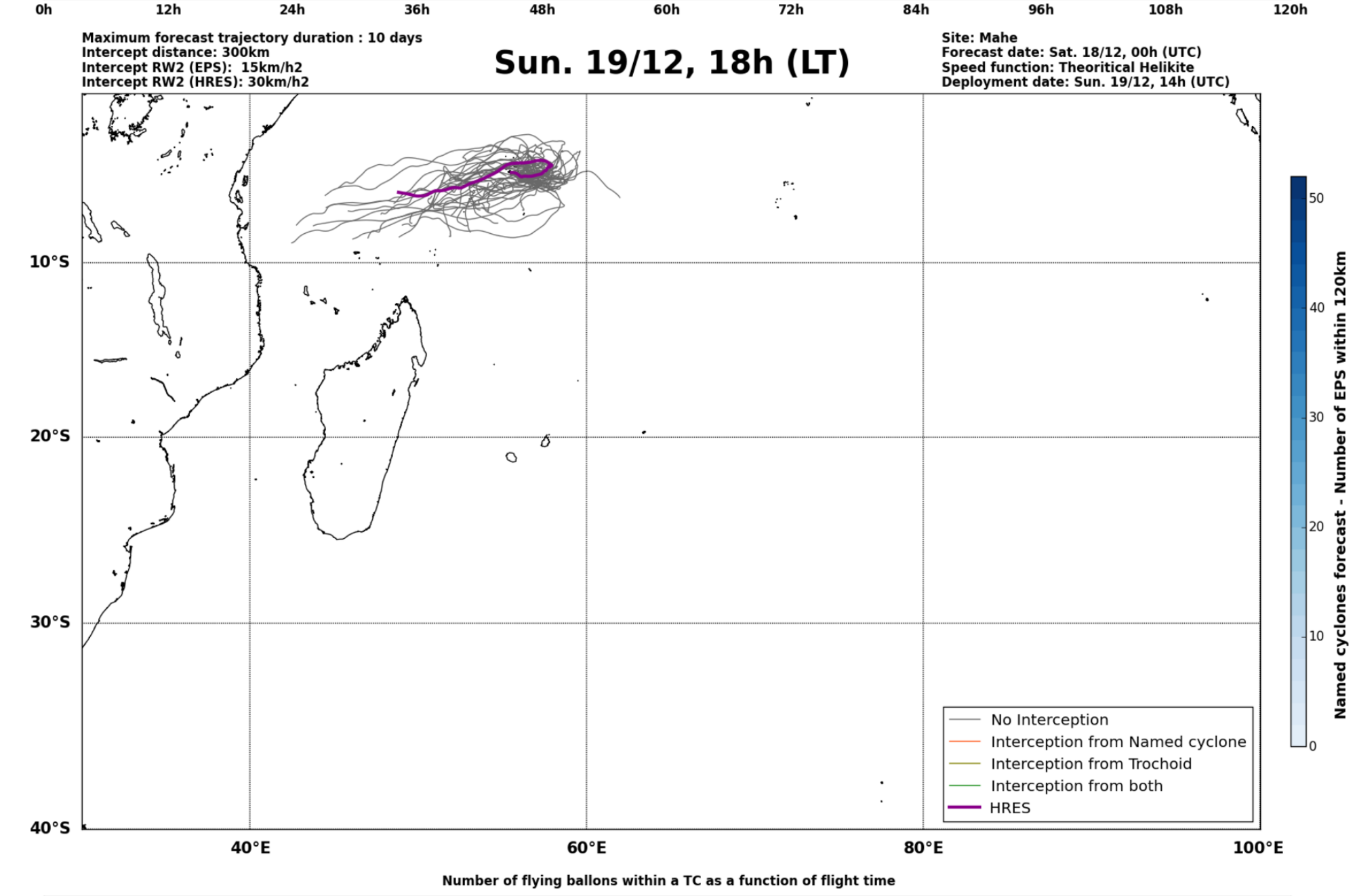

Analysis
Deterministic forecast (HRES)
Data not available
Forecast date: Sat. 18/12, 00h (UTC)
Site: Mahe
Speed function: Theorical Helikite
Method: Named cyclones (300km)
Deployment date (LT)
Sat. 18/12, 18h
Sun. 19/12, 00h
06h
12h
18h
Mon. 20/12, 00h
06h
12h
18h
Tue. 21/12, 00h
06h
12h
18h
Wed. 22/12, 00h
06h
12h
18h
Thu. 23/12, 00h
06h
0 12 24 36 48 60 72 84 96 108 120
Intercept Time (h)
0 24 48 72 96 120 144 168 192 216 240
Measurement time (h)
Number of members
0 5 10 15 20 25 30 35 40 45 50
900 920 940 960 980 1000 1020
TC Central Pressure
at intercept time (hPa)
Minimum TC pressure
during measurement period (hPa)

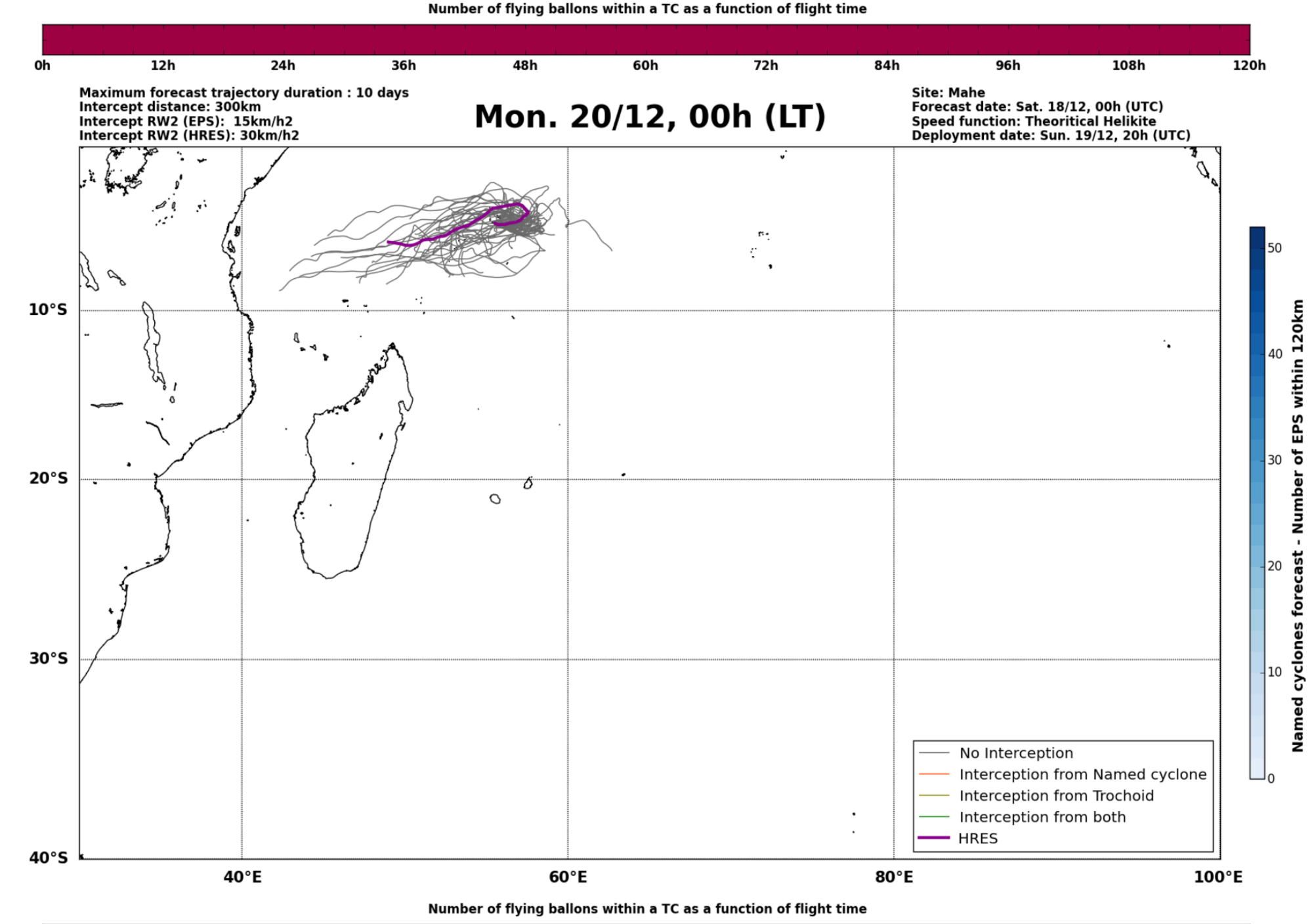

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Sat. 18/12, 18h (LT)
Site: Mahe
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sat. 18/12, 14h (UTC)
10°S
20°S
30°S
40°S
40°E
60°E
80°E
100°E
Named cyclones forecast - Number of EPS within 120km
0 10 20 30 40 50
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Number of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

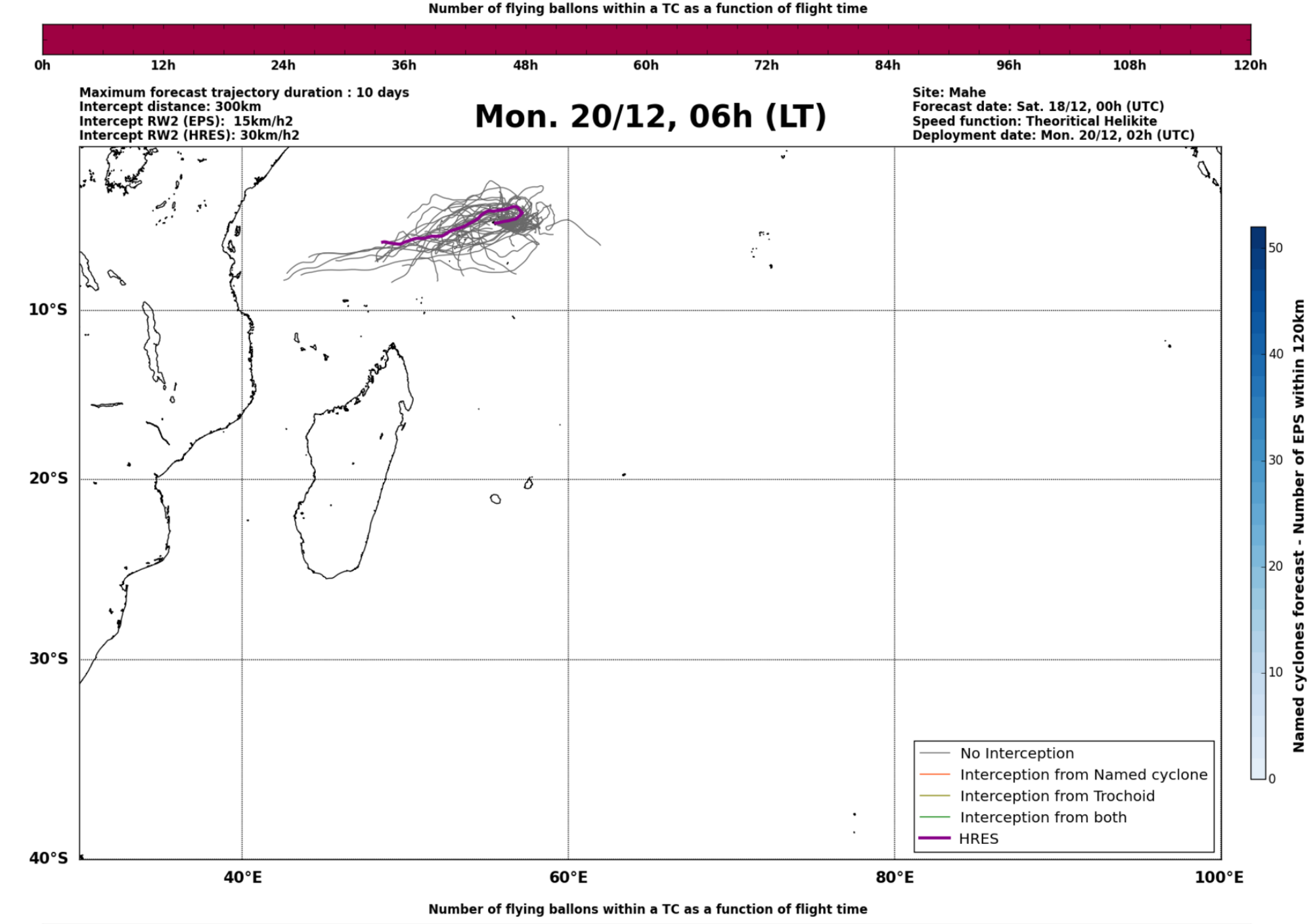

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Sun. 19/12, 00h (LT)
Site: Mahe
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sat. 18/12, 20h (UTC)
10°S
20°S
30°S
40°S
40°E
60°E
80°E
100°E
Named cyclones forecast - Number of EPS within 120km
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Number of flying ballons within a TC as a function of flight time
0h 12h 24h 36h 48h 60h 72h 84h 96h 108h 120h

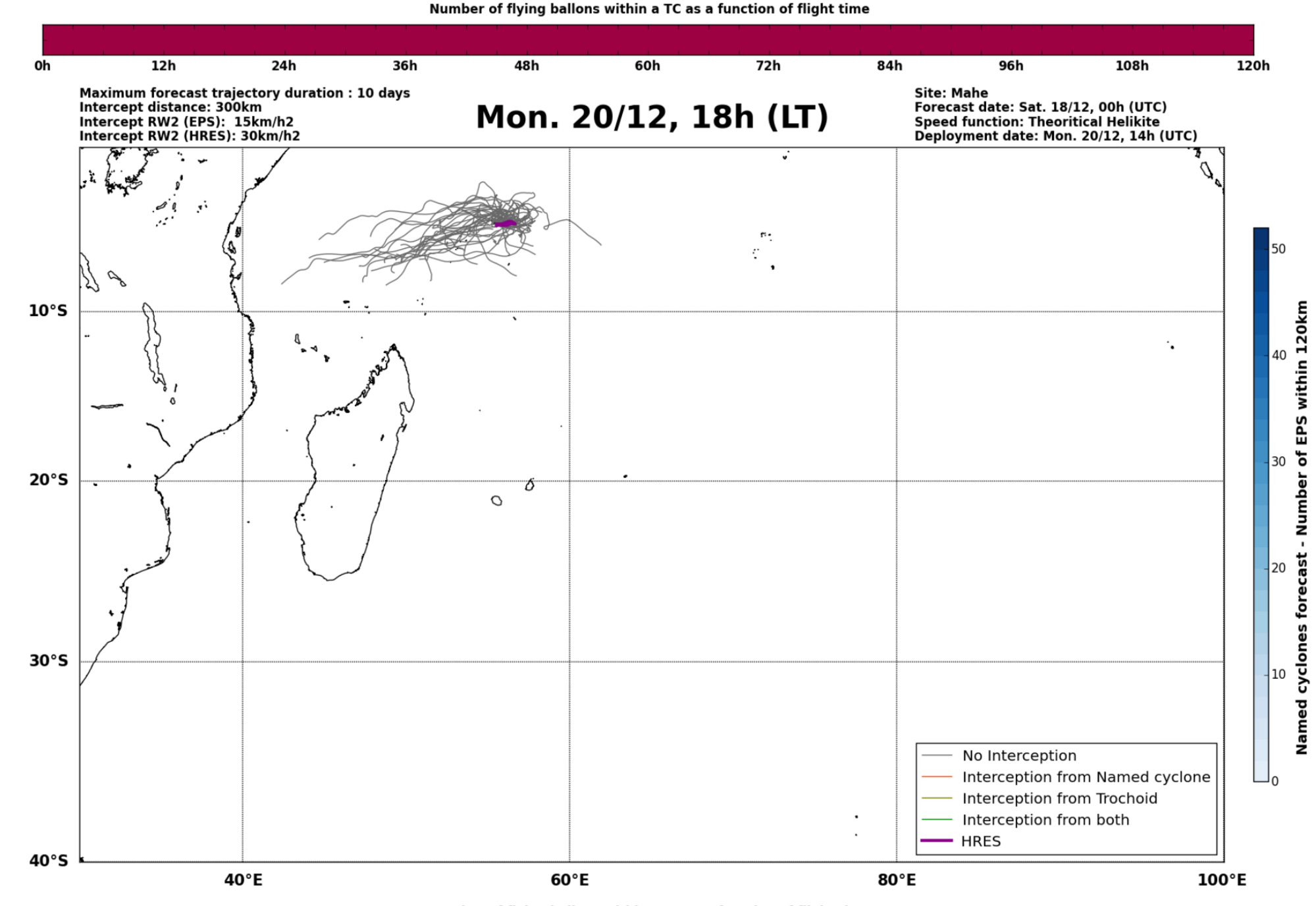

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Sun. 19/12, 06h (LT)
Site: Mahe
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sun. 19/12, 02h (UTC)
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Number of flying ballons within a TC as a function of flight time

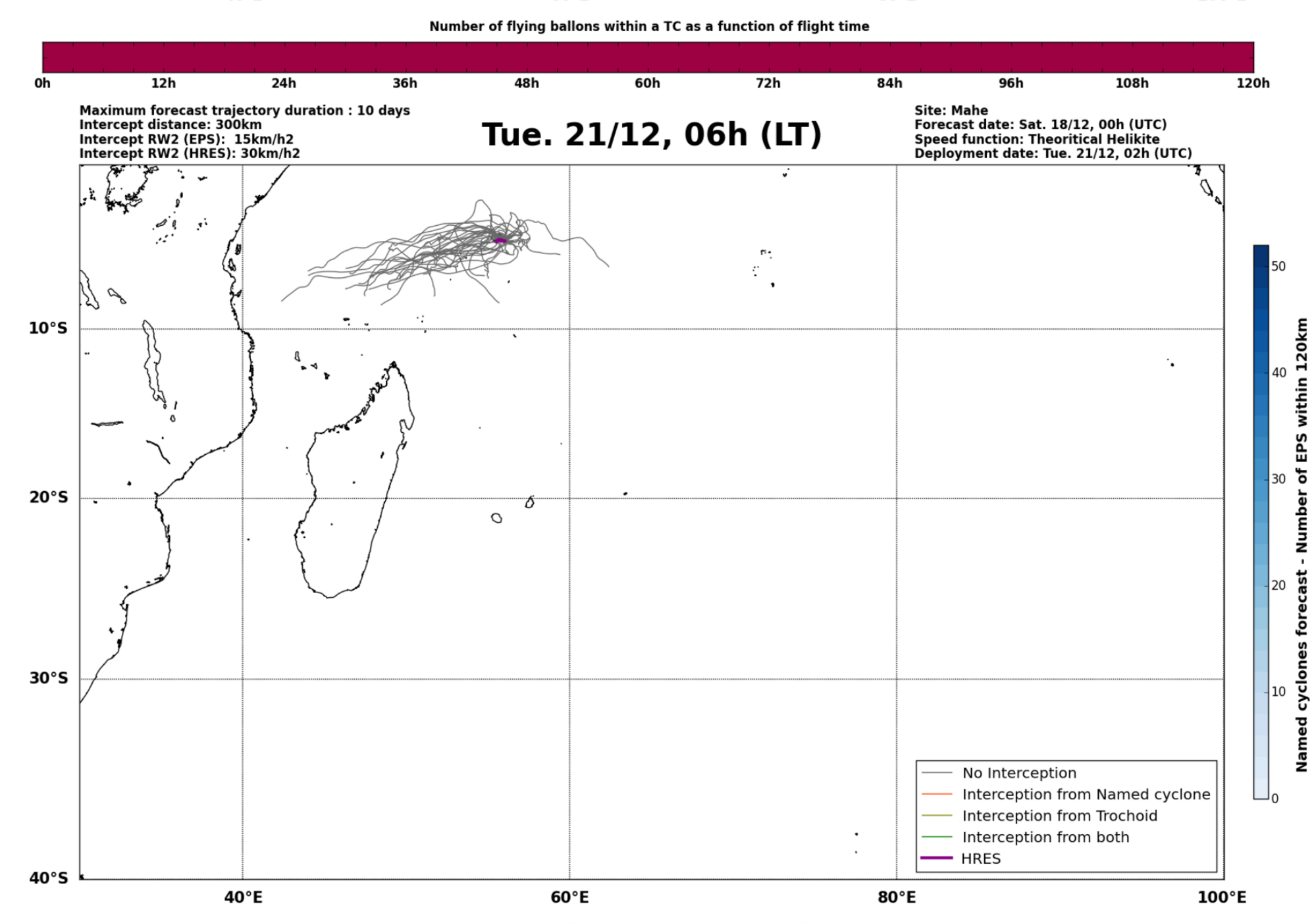

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Sun. 19/12, 12h (LT)
Site: Mahe
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sun. 19/12, 08h (UTC)
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Number of flying ballons within a TC as a function of flight time

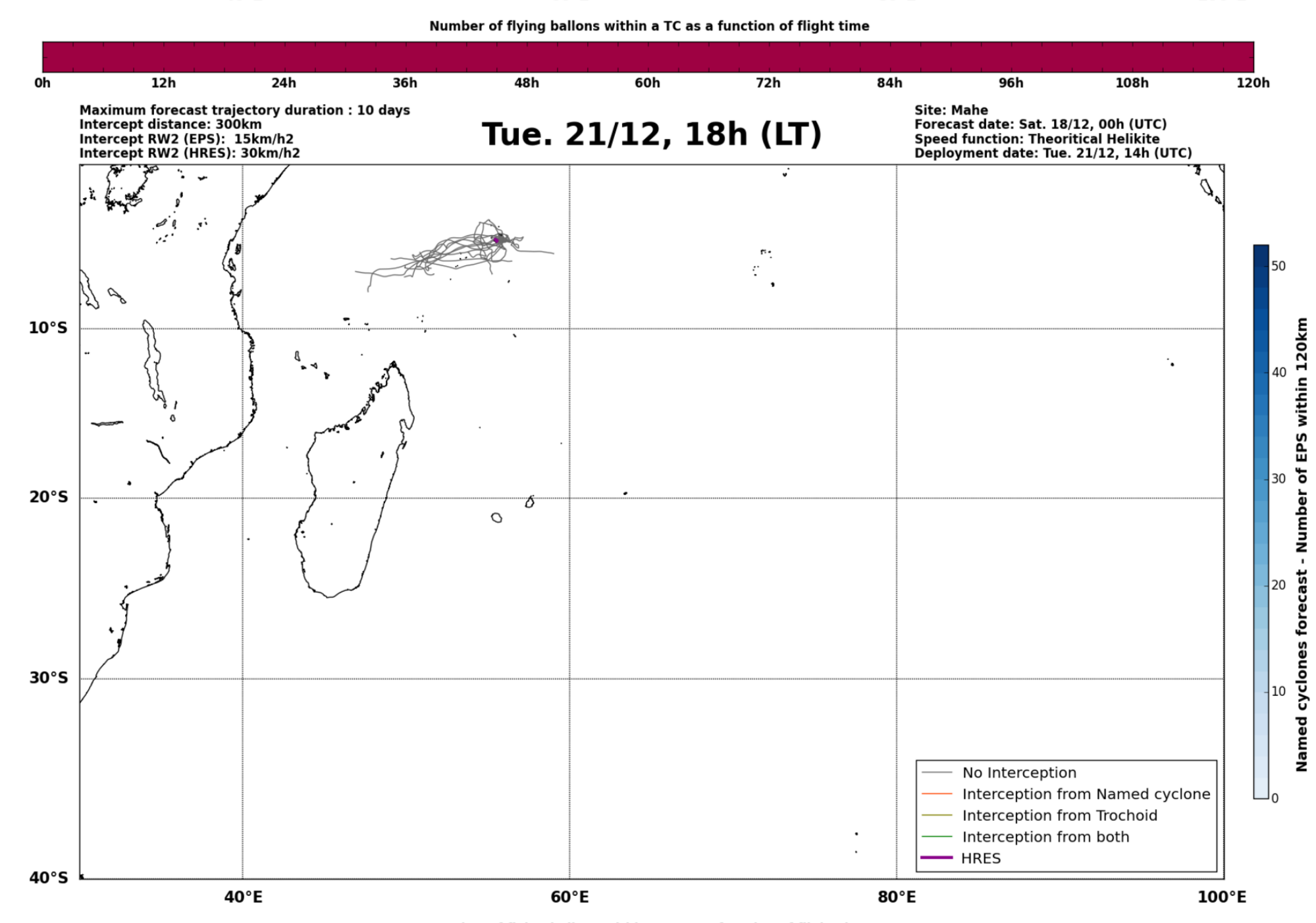

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Sun. 19/12, 18h (LT)
Site: Mahe
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sun. 19/12, 14h (UTC)
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Number of flying ballons within a TC as a function of flight time

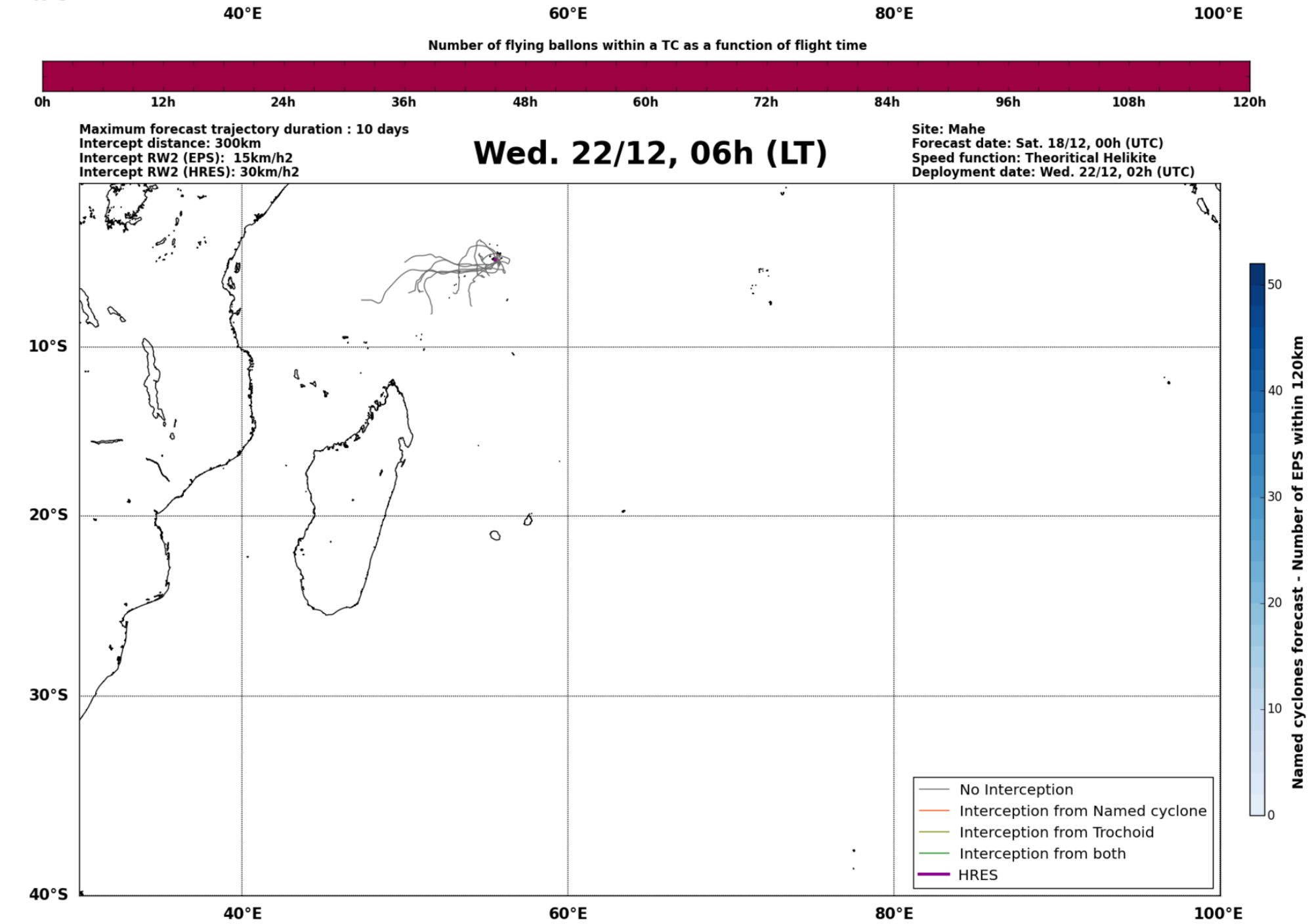

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Mon. 20/12, 00h (LT)
Site: Mahe
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sun. 19/12, 20h (UTC)
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Number of flying ballons within a TC as a function of flight time

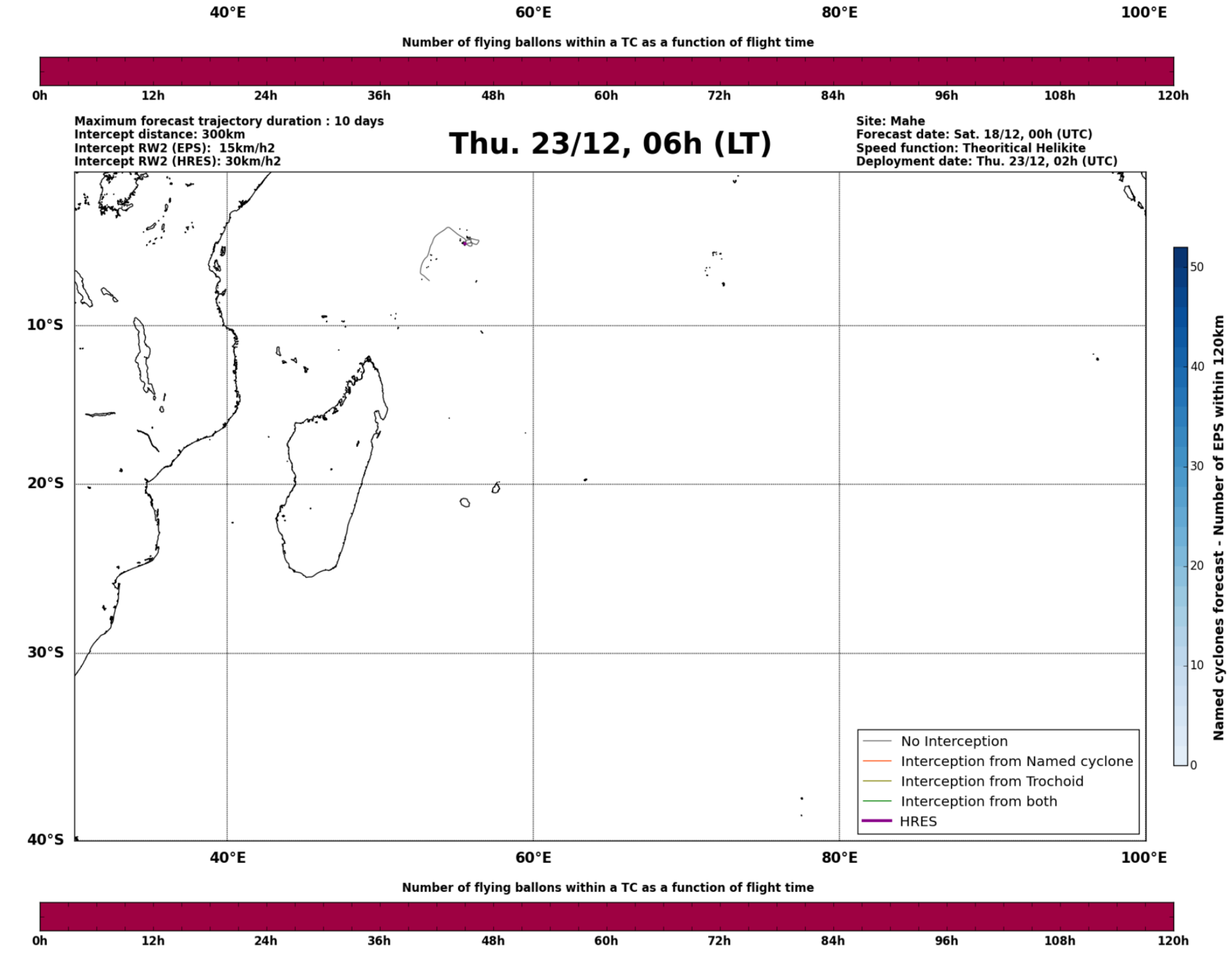

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Mon. 20/12, 06h (LT)
Site: Mahe
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Mon. 20/12, 02h (UTC)
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Number of flying ballons within a TC as a function of flight time

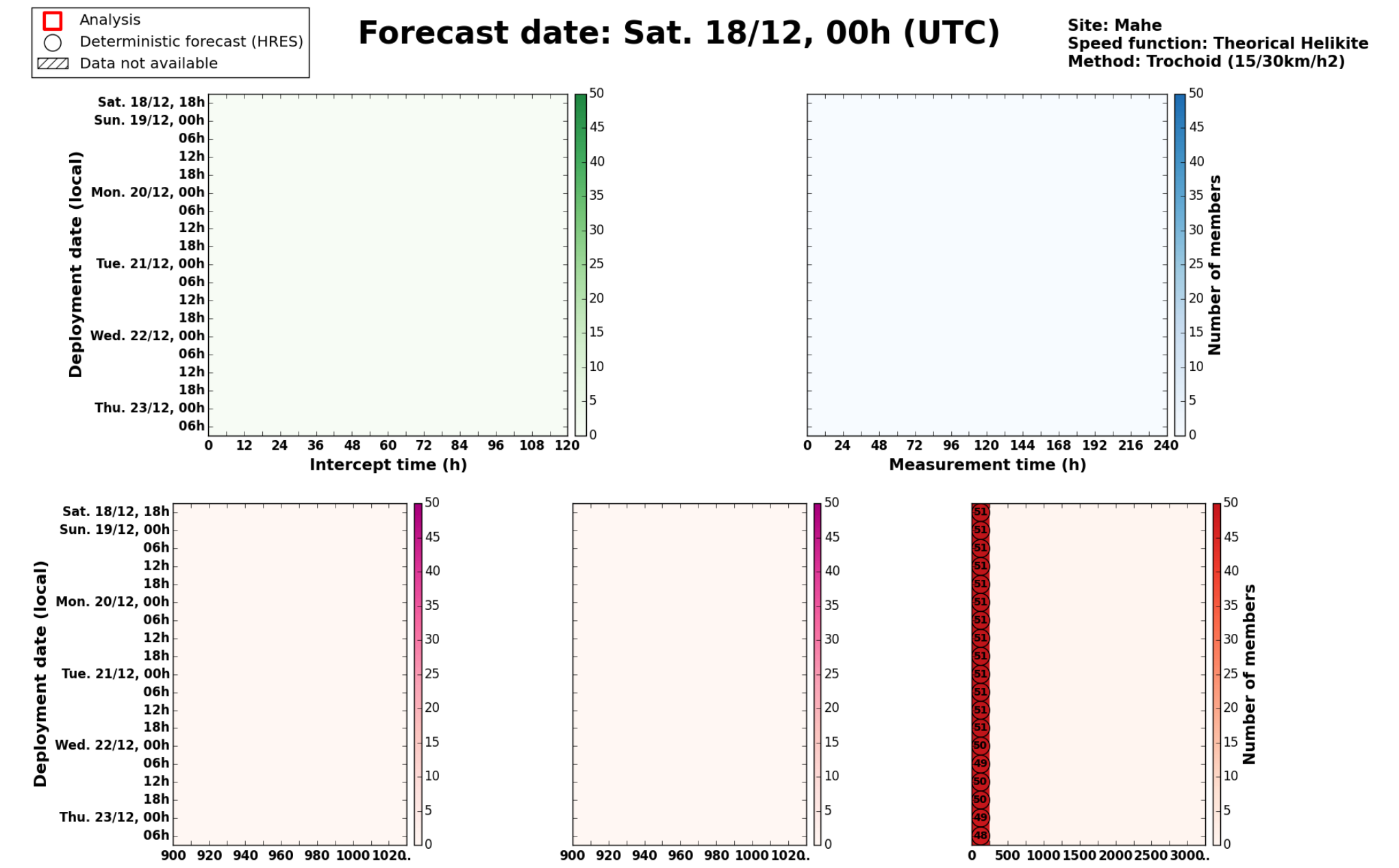

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Mon. 20/12, 18h (LT)
Site: Mahe
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Mon. 20/12, 14h (UTC)
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Number of flying ballons within a TC as a function of flight time

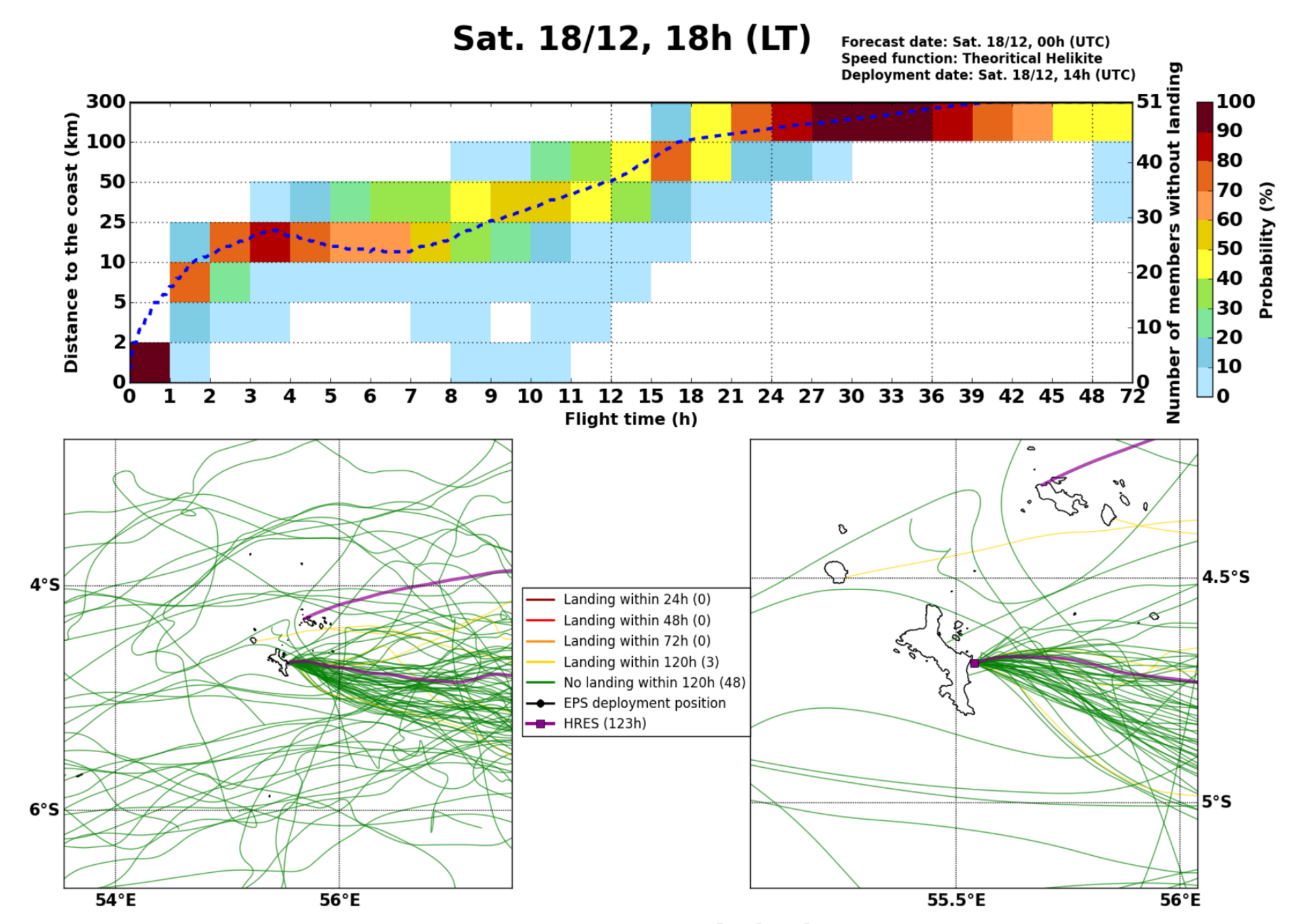

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Tue. 21/12, 06h (LT)
Site: Mahe
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Tue. 21/12, 02h (UTC)
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Number of flying ballons within a TC as a function of flight time

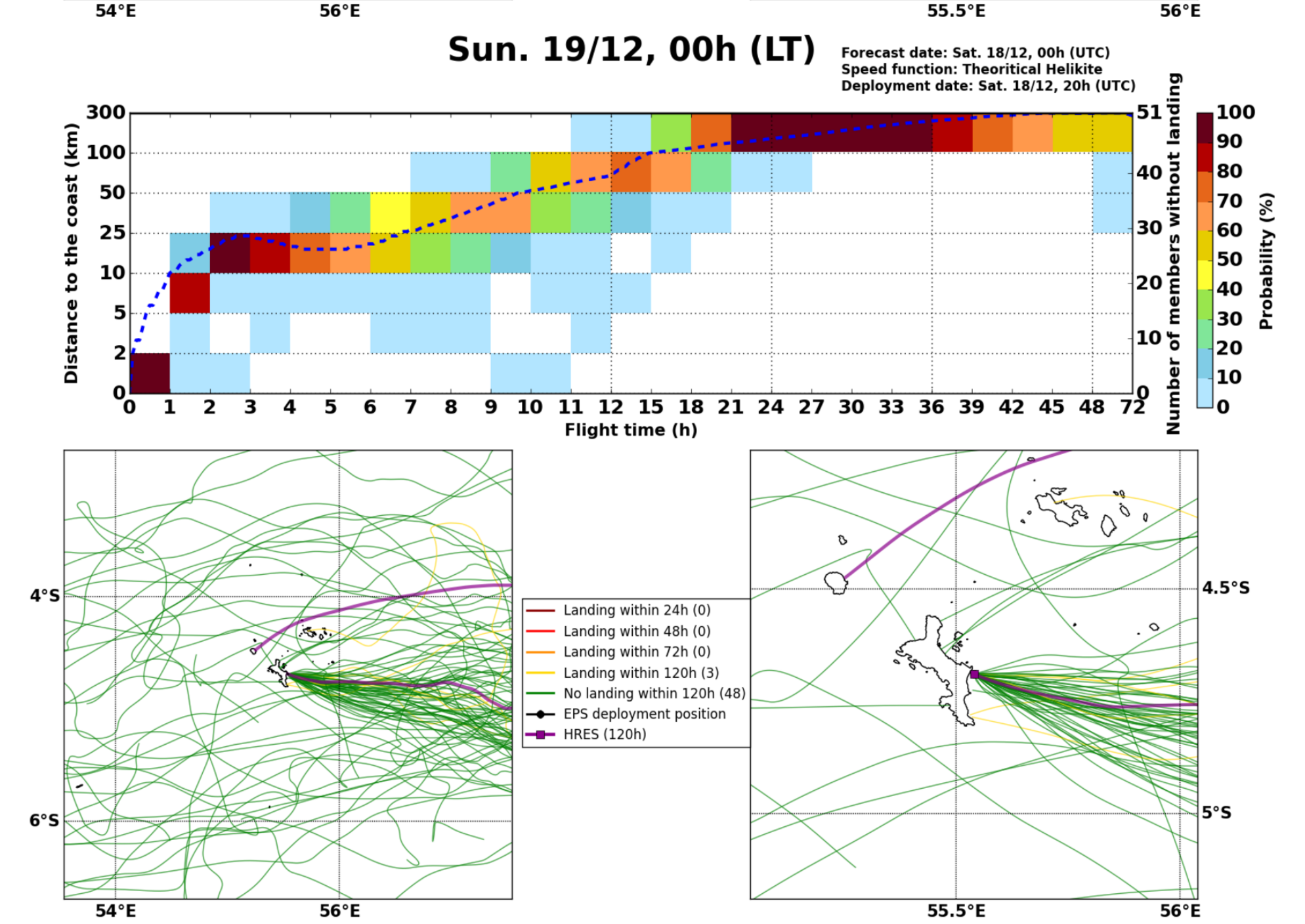

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Tue. 21/12, 18h (LT)
Site: Mahe
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Tue. 21/12, 14h (UTC)
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Number of flying ballons within a TC as a function of flight time

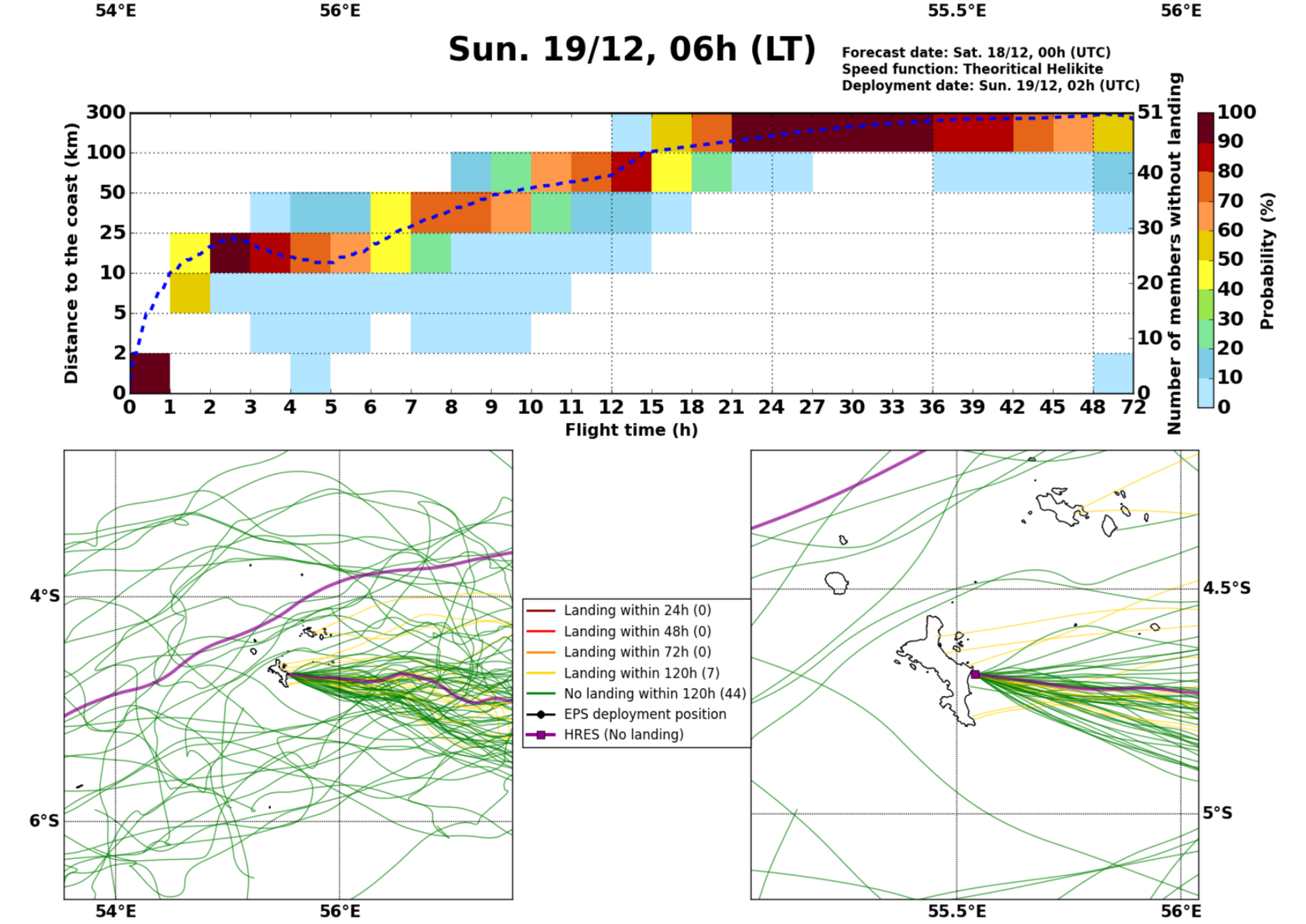

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Wed. 22/12, 06h (LT)
Site: Mahe
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Wed. 22/12, 02h (UTC)
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Number of flying ballons within a TC as a function of flight time

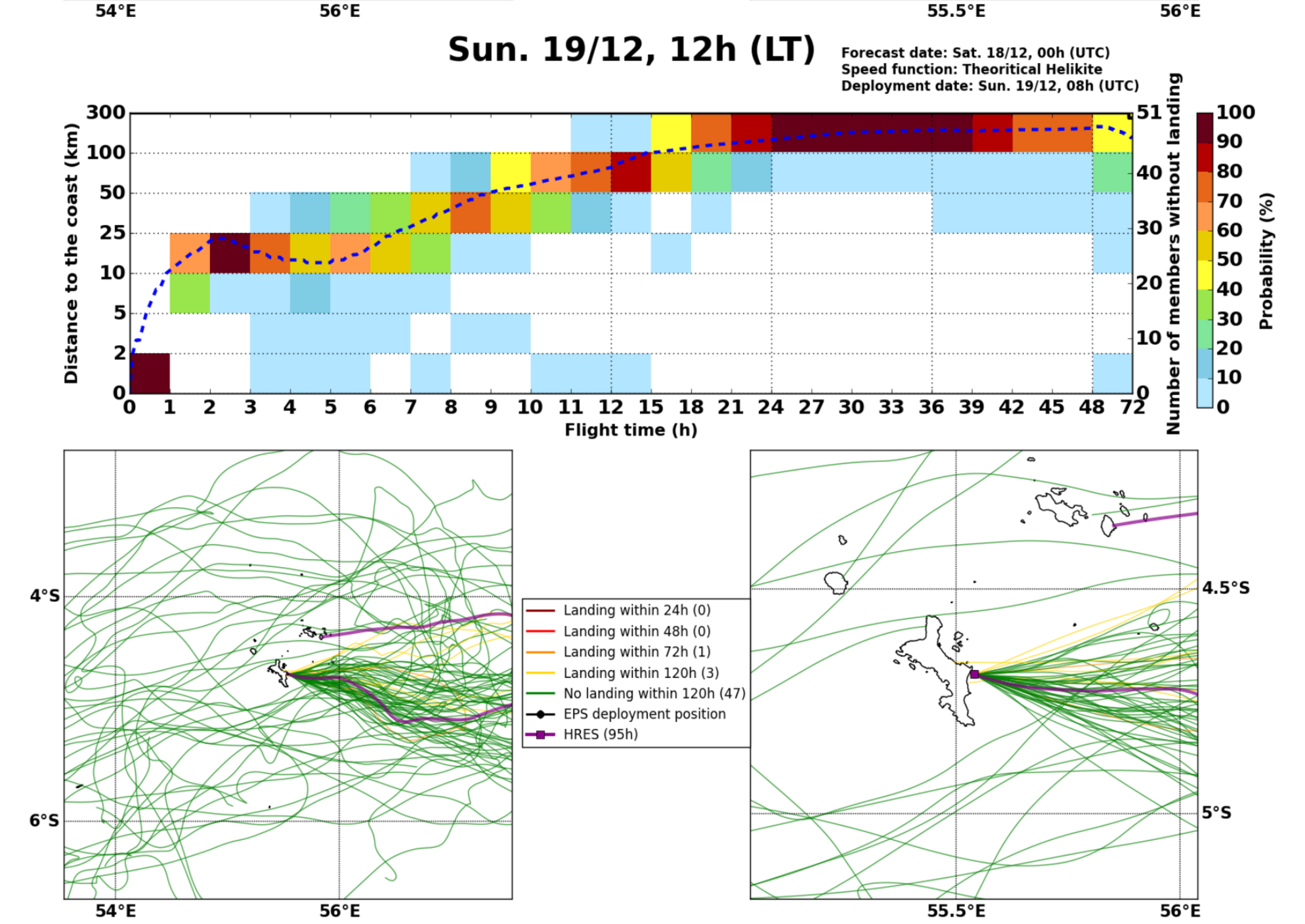

Maximum forecast trajectory duration : 10 days
Intercept distance: 300km
Intercept RW2 (EPS): 15km/h2
Intercept RW2 (HRES): 30km/h2
Thu. 23/12, 06h (LT)
Site: Mahe
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Thu. 23/12, 02h (UTC)
No Interception
Interception from Named cyclone
Interception from Trochoid
Interception from both
HRES
Number of flying ballons within a TC as a function of flight time

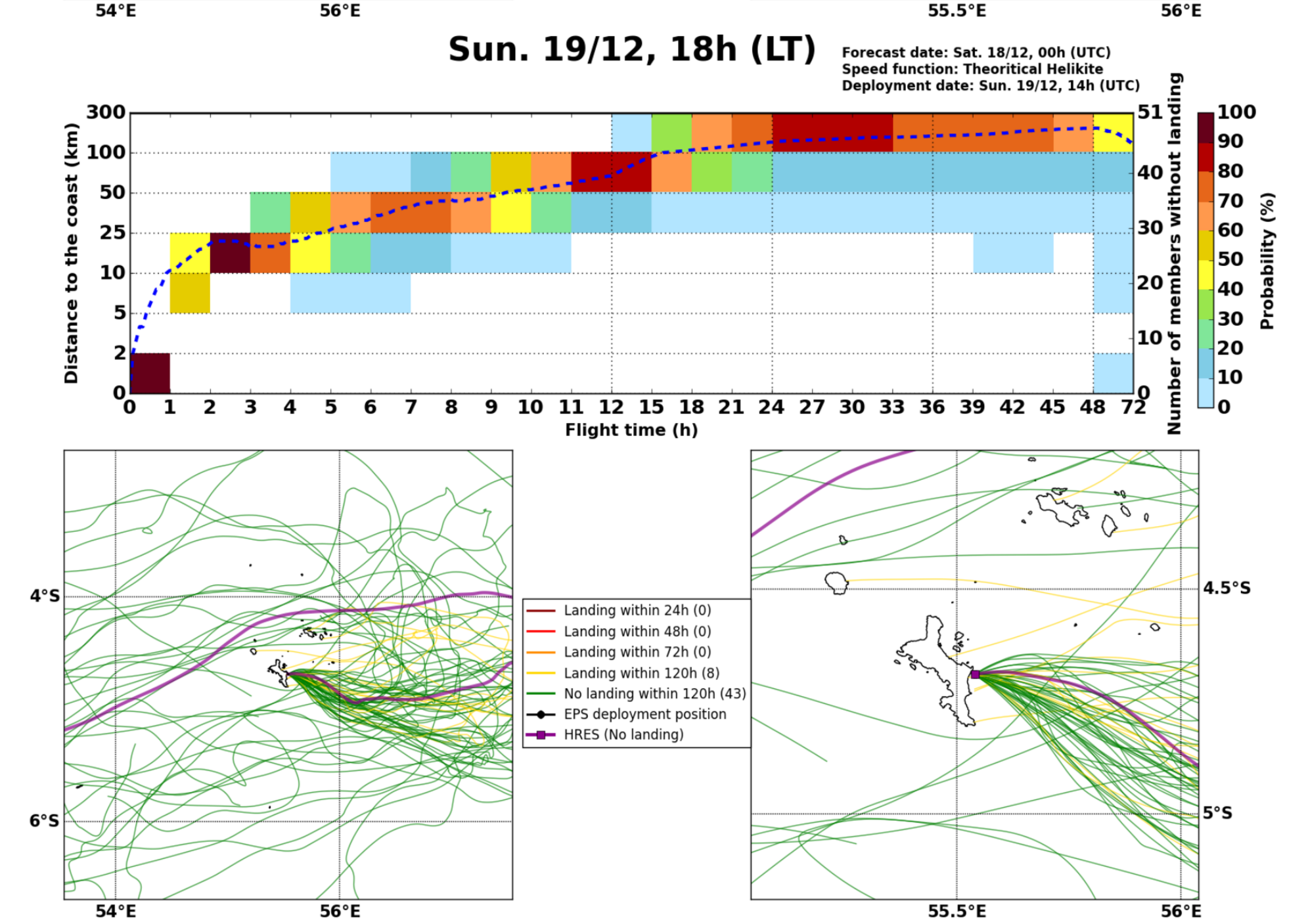

Analysis
Deterministic forecast (HRES)
Data not available
Forecast date: Sat. 18/12, 00h (UTC)
Site: Mahe
Speed function: Theorical Helikite
Method: Trochoid (15/30km/h2)
Deployment date (local)
Sat. 18/12, 18h
Sun. 19/12, 00h
Mon. 20/12, 00h
Tue. 21/12, 00h
Wed. 22/12, 00h
Thu. 23/12, 00h
Intercept time (h)
Measurement time (h)
Number of members
Minimum of pressure within 300km
at intercept time (hPa)
Deepest minimum of pressure within 300km
during measurement period
Integrated RW2 (m/s)
0 500 1000 1500 2000 2500 3000
51 51 51 51 51 51 51 51 51 51 51 51 51 50 49 50 50 49 48

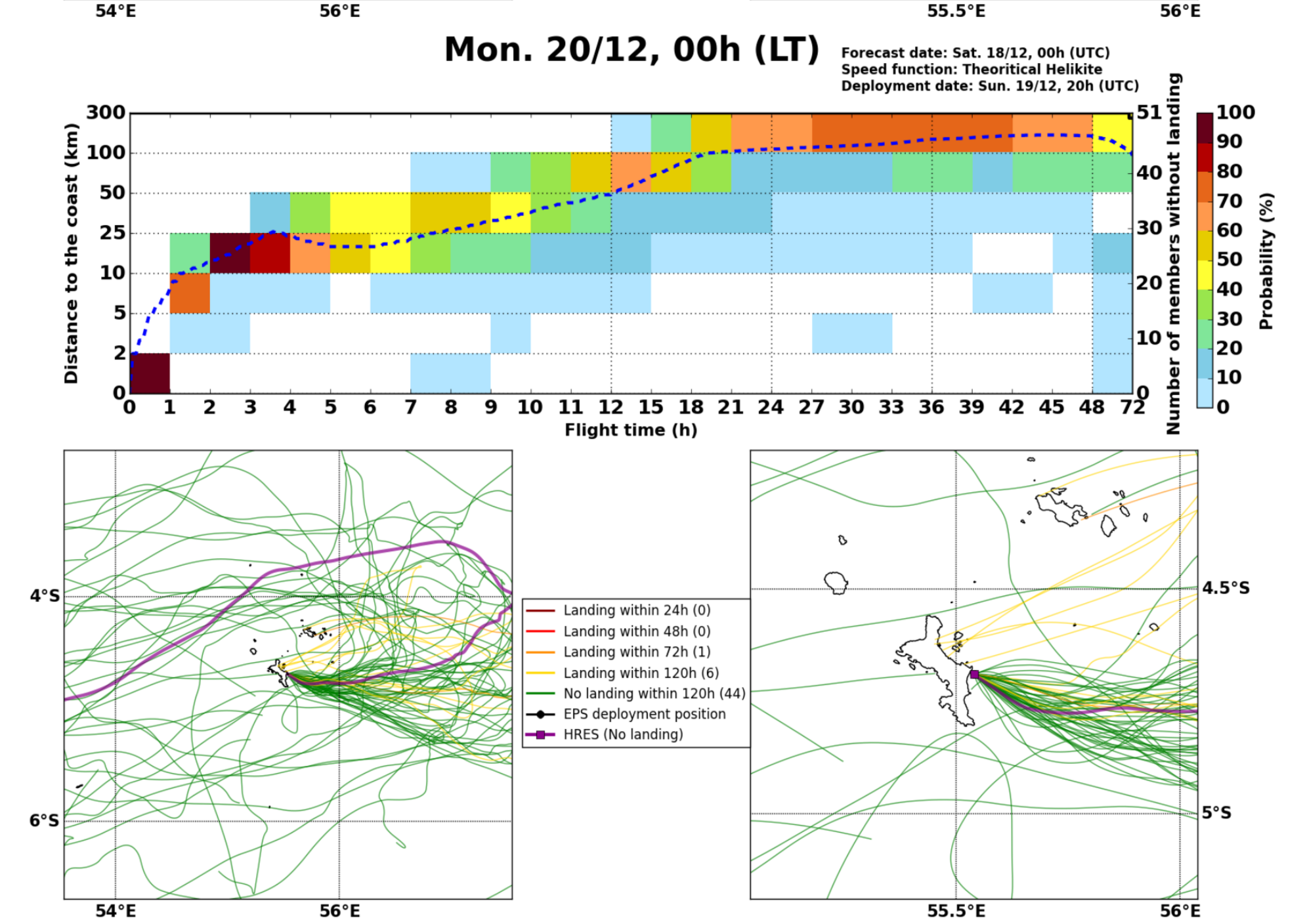

Sat. 18/12, 18h (LT)
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sat. 18/12, 14h (UTC)
Distance to the coast (km)
0 2 5 10 25 50 100 300
Flight time (h)
0 1 2 3 4 5 6 7 8 9 10 11 12 15 18 21 24 27 30 33 36 39 42 45 48 72
Number of members without landing
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
4.5°S
5°S
55.5°E
56°E
Landing within 24h (0)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (3)
No landing within 120h (48)
EPS deployment position
HRES (123h)

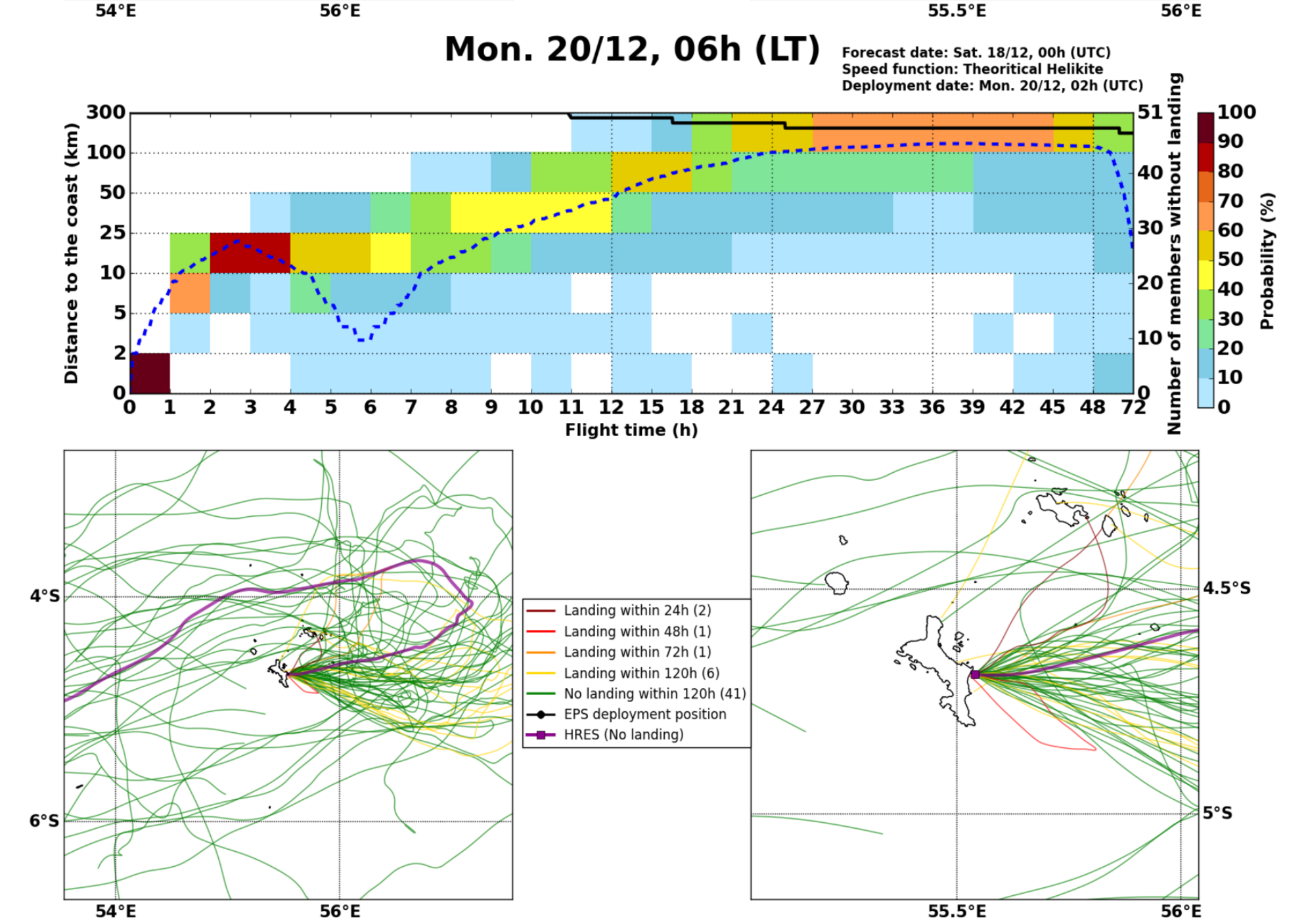

Sun. 19/12, 00h (LT)
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sat. 18/12, 20h (UTC)
Distance to the coast (km)
Flight time (h)
Number of members without landing
Probability (%)
Landing within 24h (0)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (3)
No landing within 120h (48)
EPS deployment position
HRES (120h)

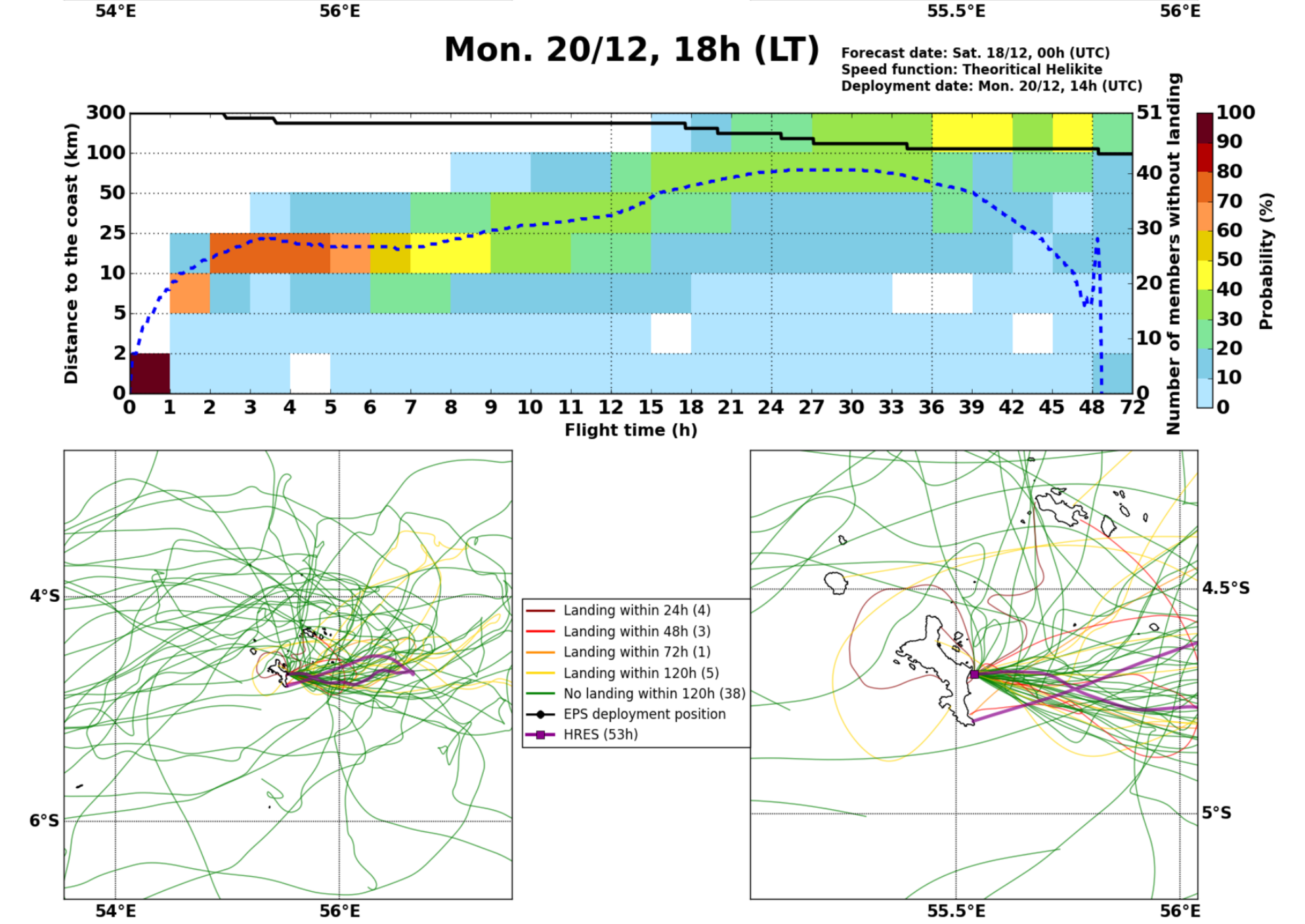

Sun. 19/12, 06h (LT)
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sun. 19/12, 02h (UTC)
Distance to the coast (km)
Flight time (h)
Number of members without landing
Probability (%)
Landing within 24h (0)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (7)
No landing within 120h (44)
EPS deployment position
HRES (No landing)

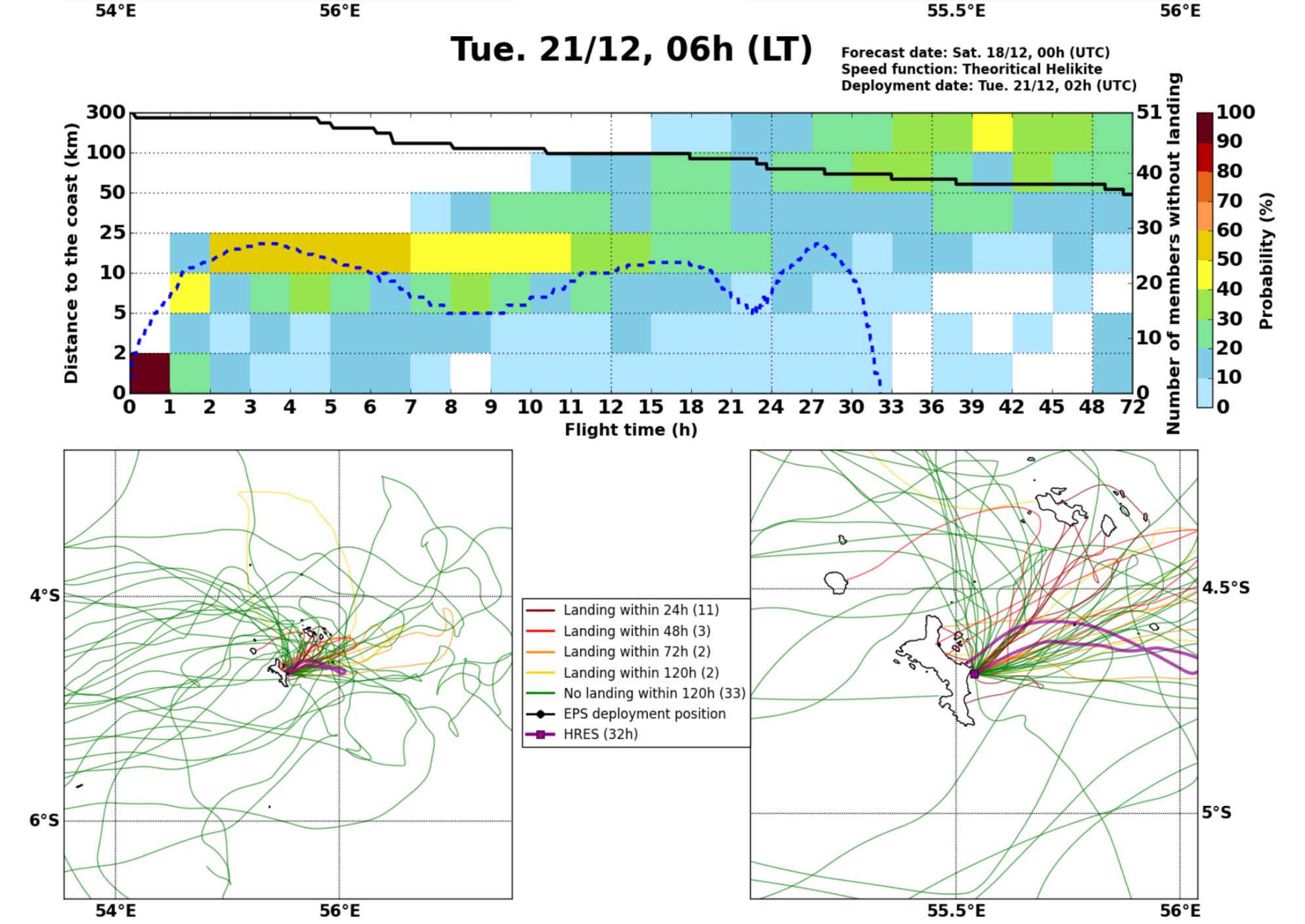

Sun. 19/12, 12h (LT)
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sun. 19/12, 08h (UTC)
Distance to the coast (km)
Flight time (h)
Number of members without landing
Probability (%)
Landing within 24h (0)
Landing within 48h (0)
Landing within 72h (1)
Landing within 120h (3)
No landing within 120h (47)
EPS deployment position
HRES (95h)

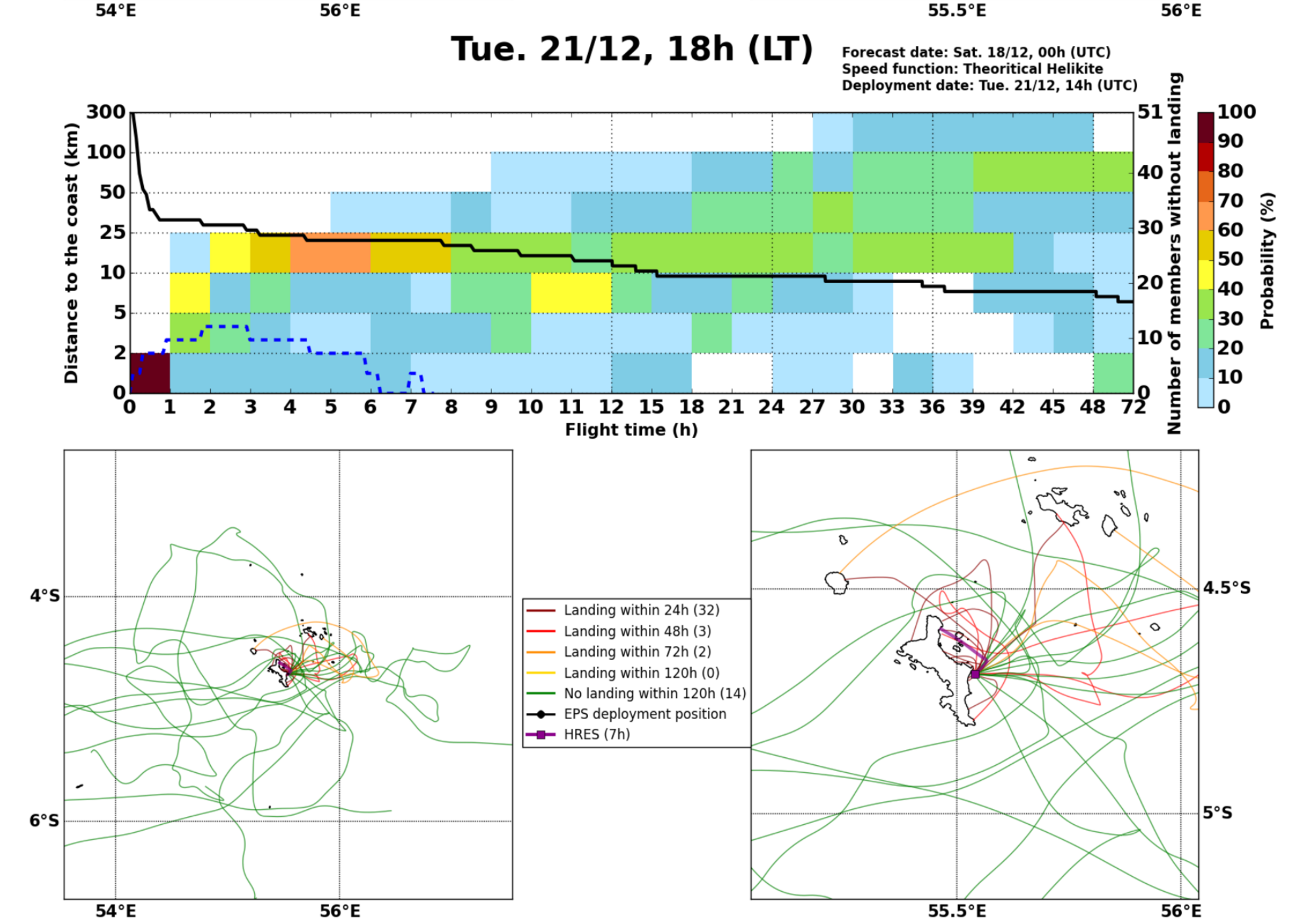

Sun. 19/12, 18h (LT)
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sun. 19/12, 14h (UTC)
Distance to the coast (km)
Flight time (h)
Number of members without landing
Probability (%)
Landing within 24h (0)
Landing within 48h (0)
Landing within 72h (0)
Landing within 120h (8)
No landing within 120h (43)
EPS deployment position
HRES (No landing)

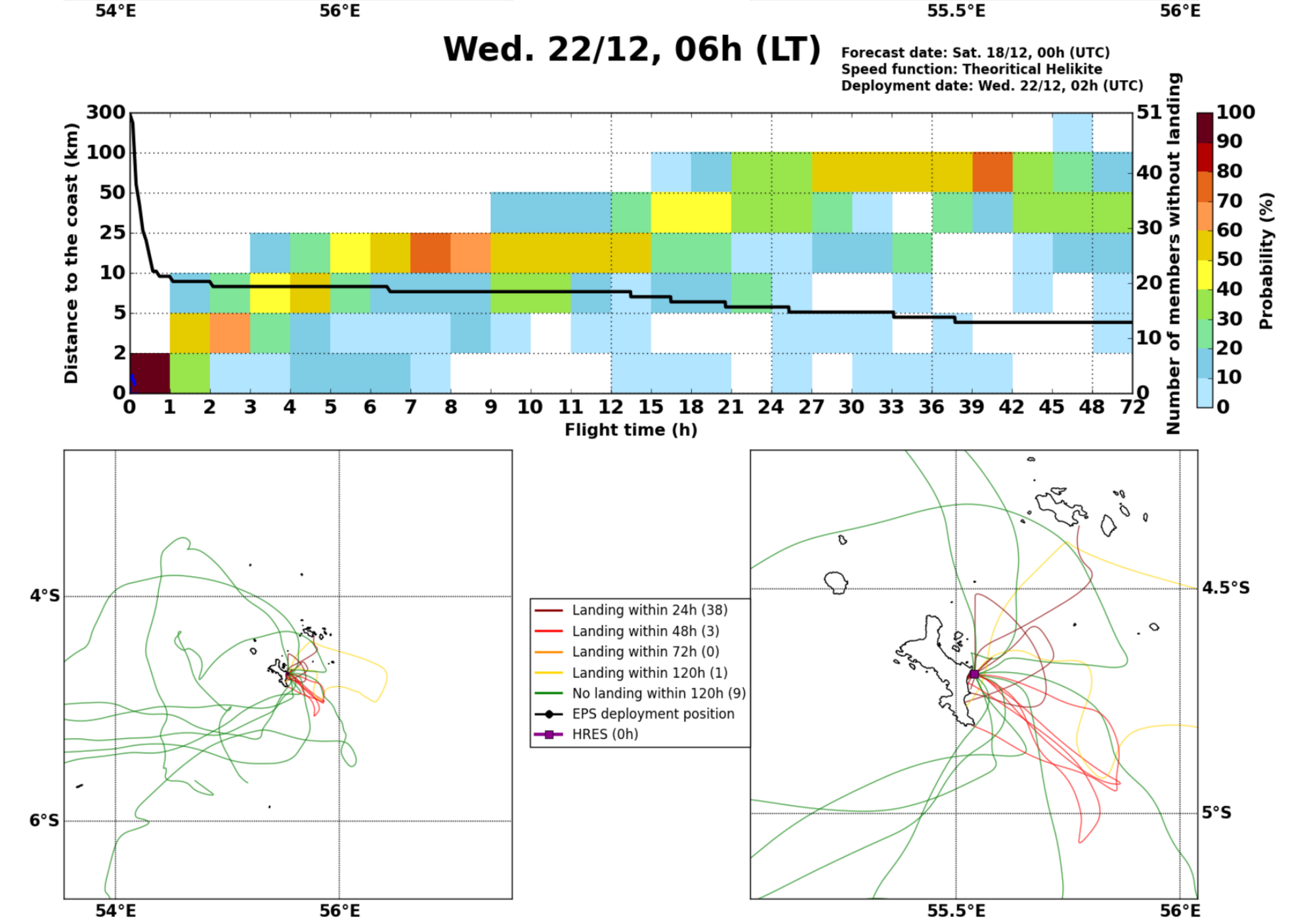

Mon. 20/12, 00h (LT)
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Sun. 19/12, 20h (UTC)
Distance to the coast (km)
Flight time (h)
Number of members without landing
Probability (%)
Landing within 24h (0)
Landing within 48h (0)
Landing within 72h (1)
Landing within 120h (6)
No landing within 120h (44)
EPS deployment position
HRES (No landing)

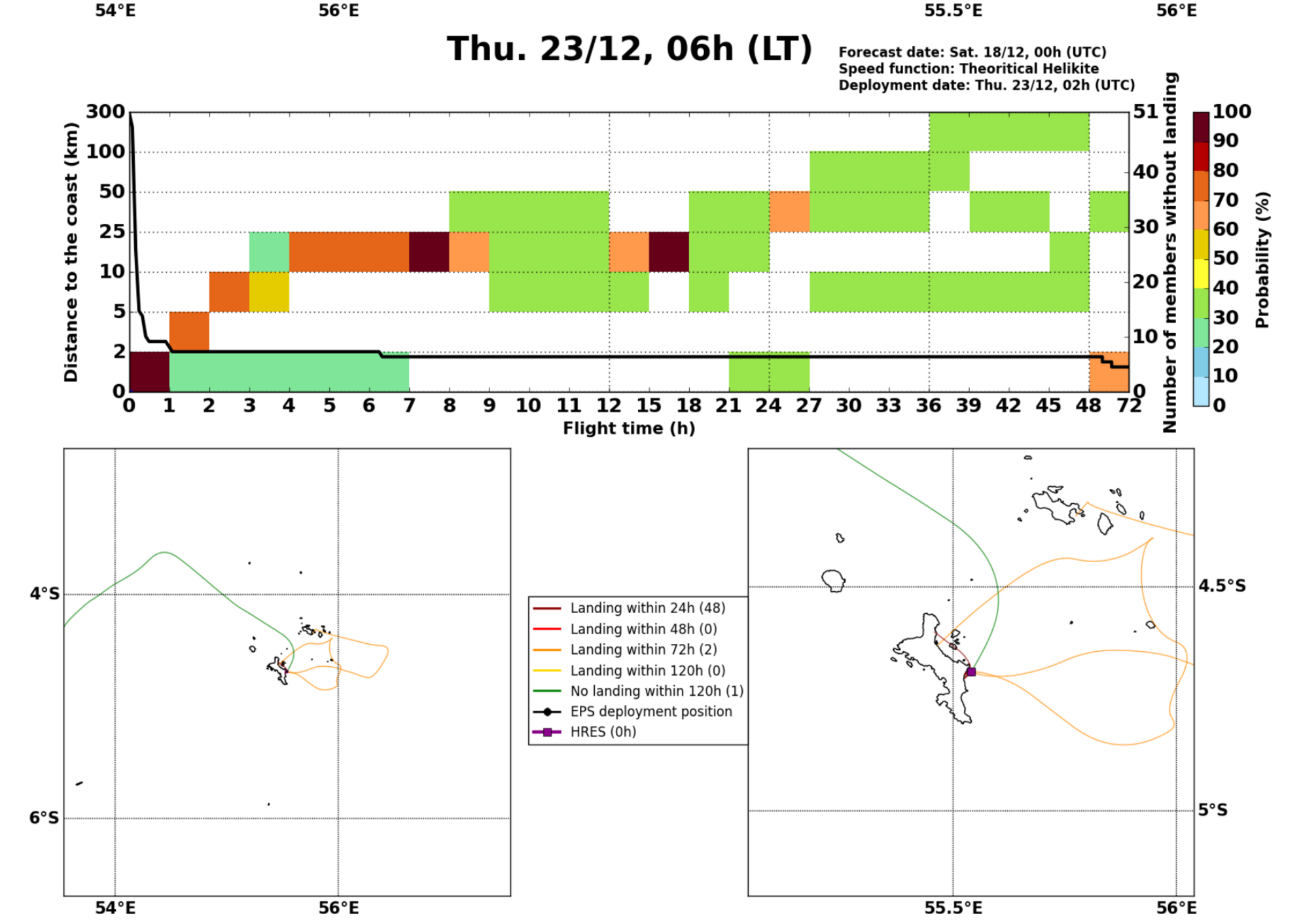

Mon. 20/12, 06h (LT)
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Mon. 20/12, 02h (UTC)
Distance to the coast (km)
Flight time (h)
Number of members without landing
Probability (%)
Landing within 24h (2)
Landing within 48h (1)
Landing within 72h (1)
Landing within 120h (6)
No landing within 120h (41)
EPS deployment position
HRES (No landing)


Mon. 20/12, 18h (LT)
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Mon. 20/12, 14h (UTC)
Distance to the coast (km)
Flight time (h)
Number of members without landing
Probability (%)
Landing within 24h (4)
Landing within 48h (3)
Landing within 72h (1)
Landing within 120h (5)
No landing within 120h (38)
EPS deployment position
HRES (53h)


Tue. 21/12, 06h (LT)
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Tue. 21/12, 02h (UTC)
Distance to the coast (km)
Flight time (h)
Number of members without landing
Probability (%)
Landing within 24h (11)
Landing within 48h (3)
Landing within 72h (2)
Landing within 120h (2)
No landing within 120h (33)
EPS deployment position
HRES (32h)


Tue. 21/12, 18h (LT)
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Tue. 21/12, 14h (UTC)
Distance to the coast (km)
Flight time (h)
Number of members without landing
Probability (%)
Landing within 24h (32)
Landing within 48h (3)
Landing within 72h (2)
Landing within 120h (0)
No landing within 120h (14)
EPS deployment position
HRES (7h)


Wed. 22/12, 06h (LT)
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Wed. 22/12, 02h (UTC)
Distance to the coast (km)
Flight time (h)
Number of members without landing
Probability (%)
Landing within 24h (38)
Landing within 48h (3)
Landing within 72h (0)
Landing within 120h (1)
No landing within 120h (9)
EPS deployment position
HRES (0h)


Thu. 23/12, 06h (LT)
Forecast date: Sat. 18/12, 00h (UTC)
Speed function: Theoritical Helikite
Deployment date: Thu. 23/12, 02h (UTC)
Distance to the coast (km)
Flight time (h)
Number of members without landing
Probability (%)
Landing within 24h (48)
Landing within 48h (0)
Landing within 72h (2)
Landing within 120h (0)
No landing within 120h (1)
EPS deployment position
HRES (0h)