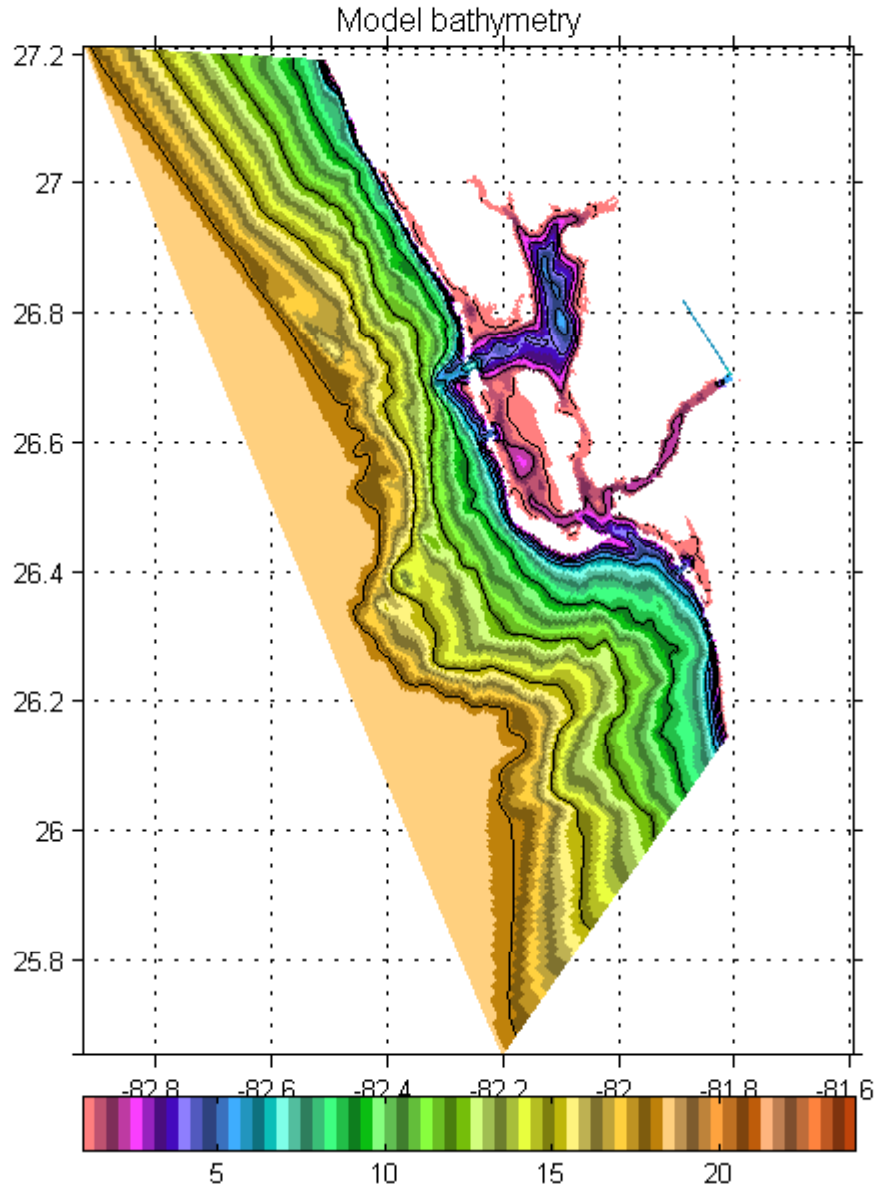

Fig 7-1 Hydrodynamic grid extent and bathymetry

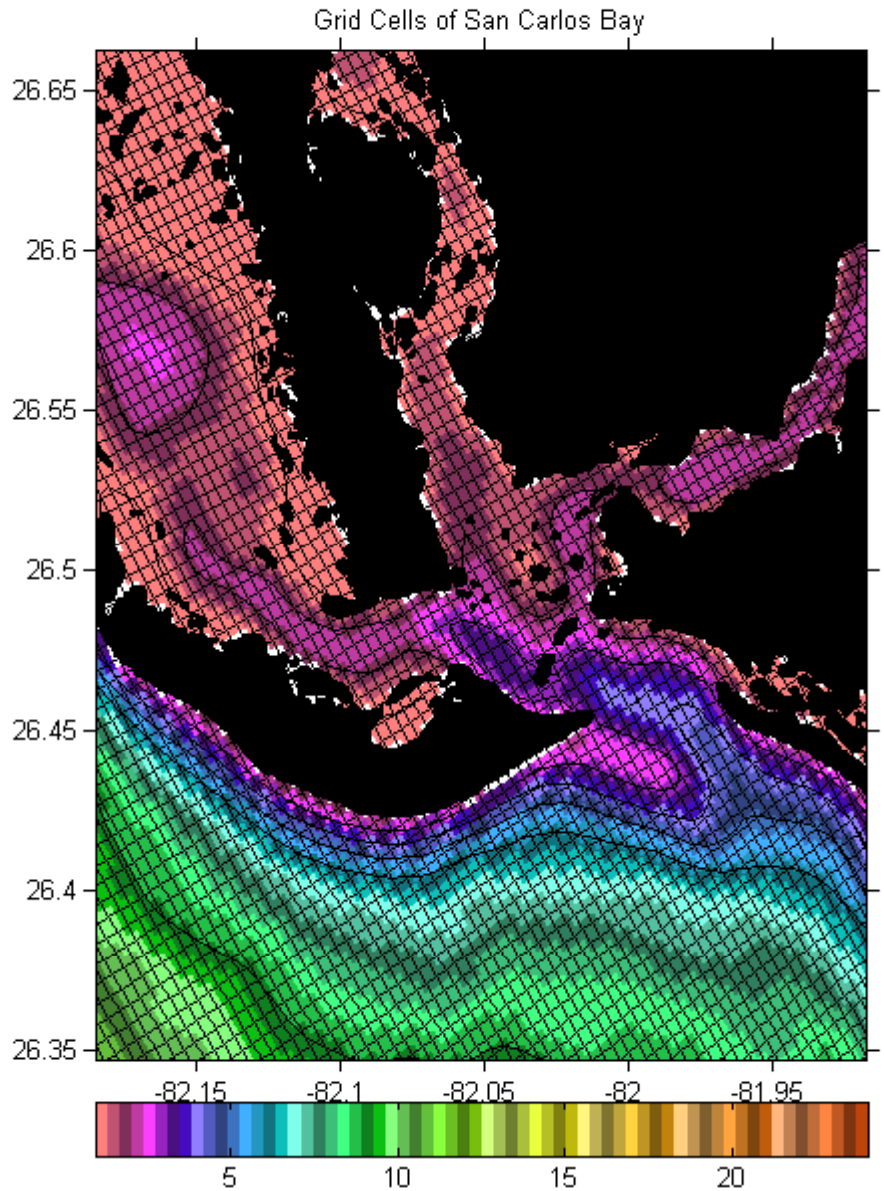

Fig 7-2 Representative grid cells in San Carlos Bay

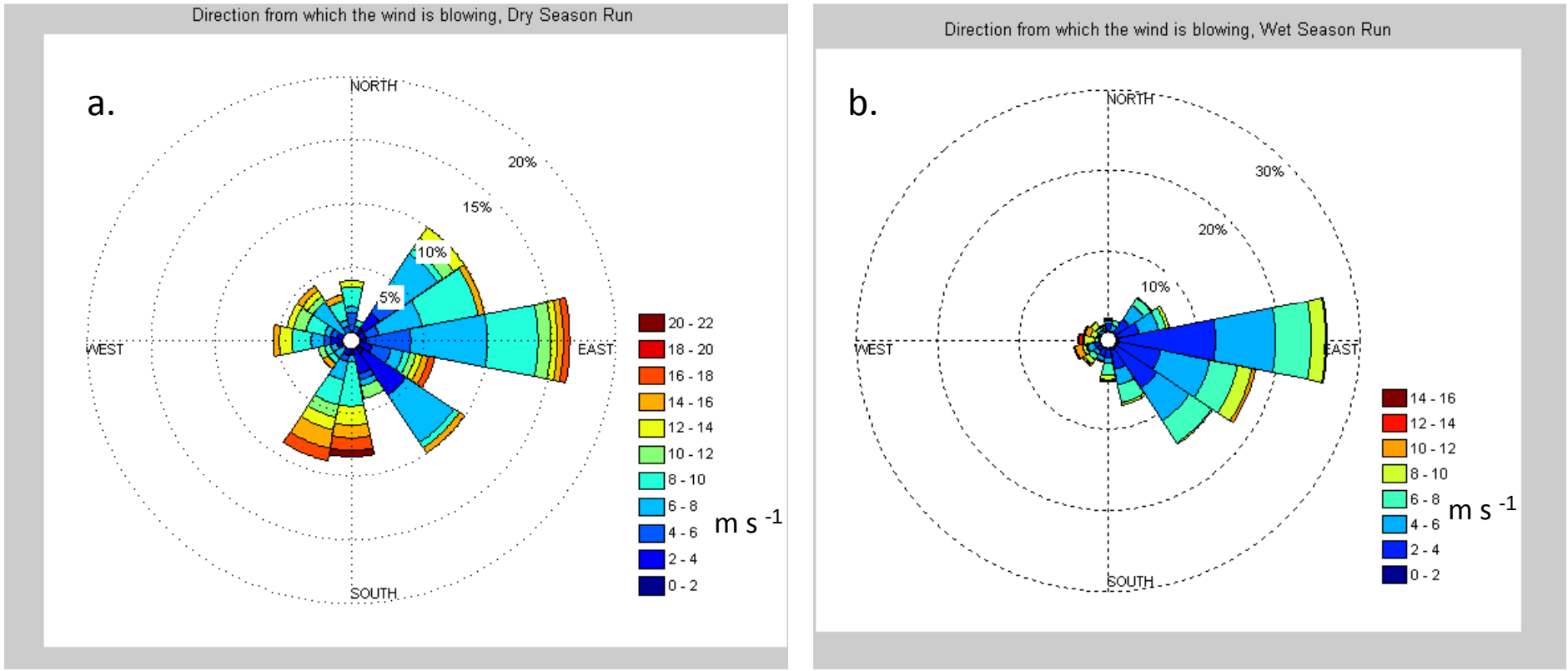

Fig 7-3 Wind speed and direction (from which the wind is blowing) distributions during the a) dry and b) wet season simulations

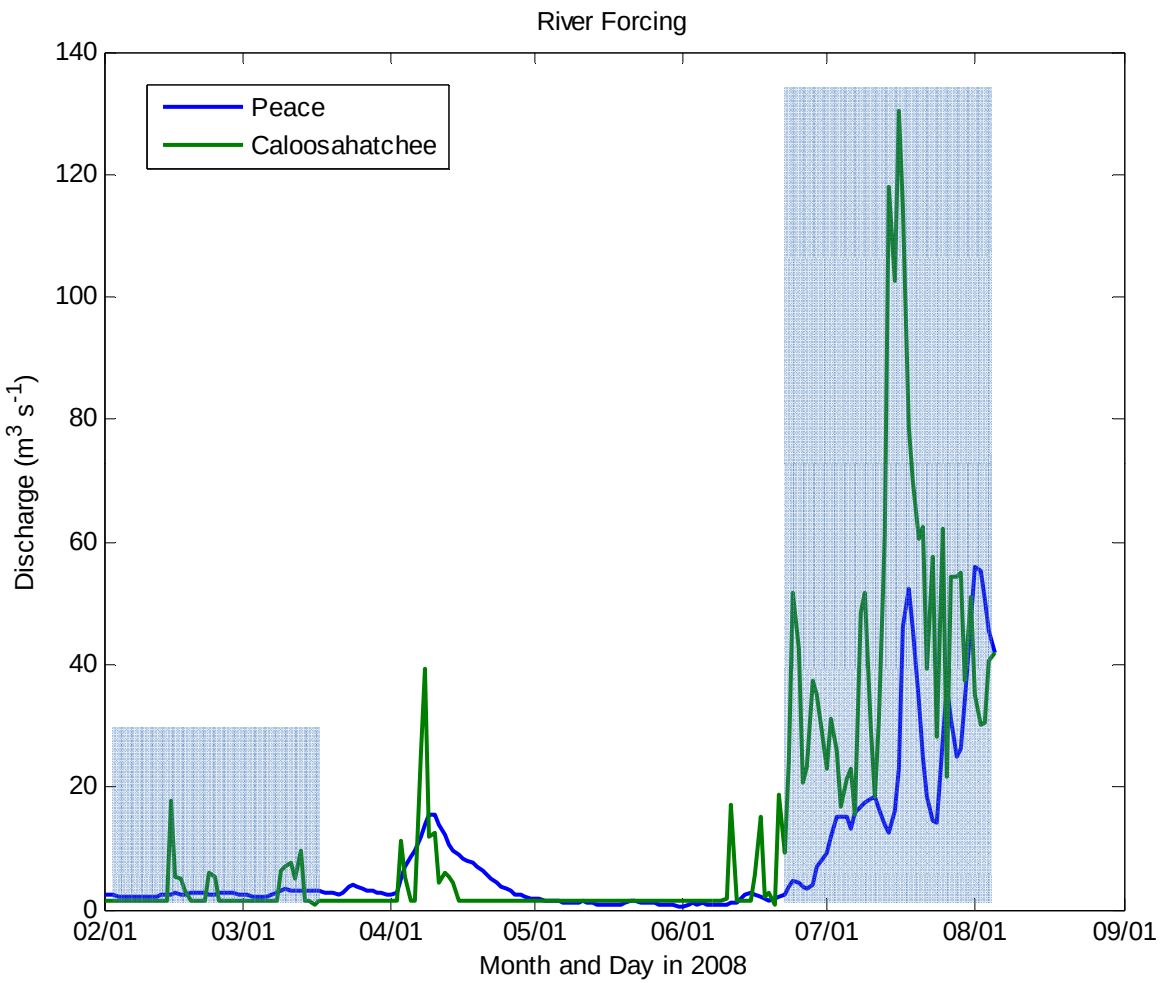

Fig 7-4 River discharge levels in 2008, shaded areas show times of the dry and wet season simulations.

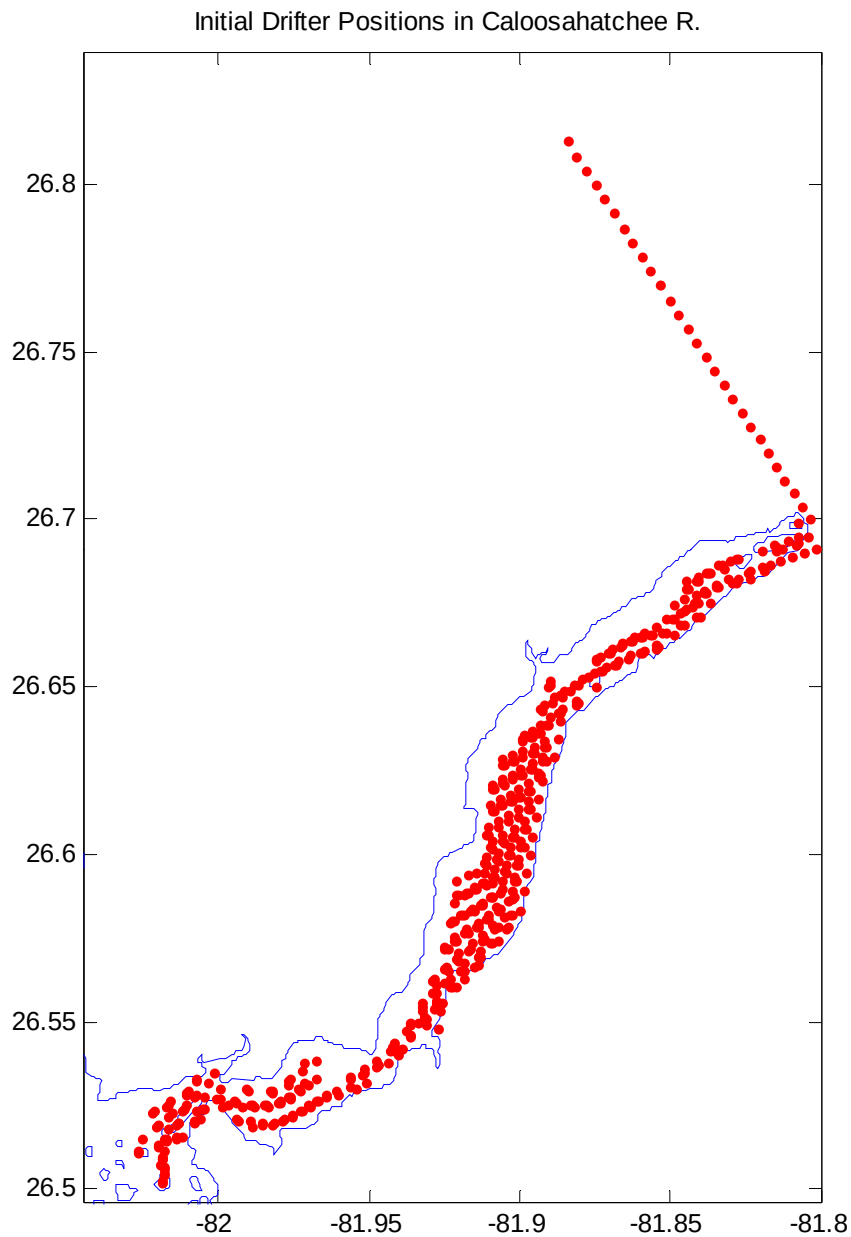

Fig 7-5 Initial drifter locations within the Caloosahatchee R

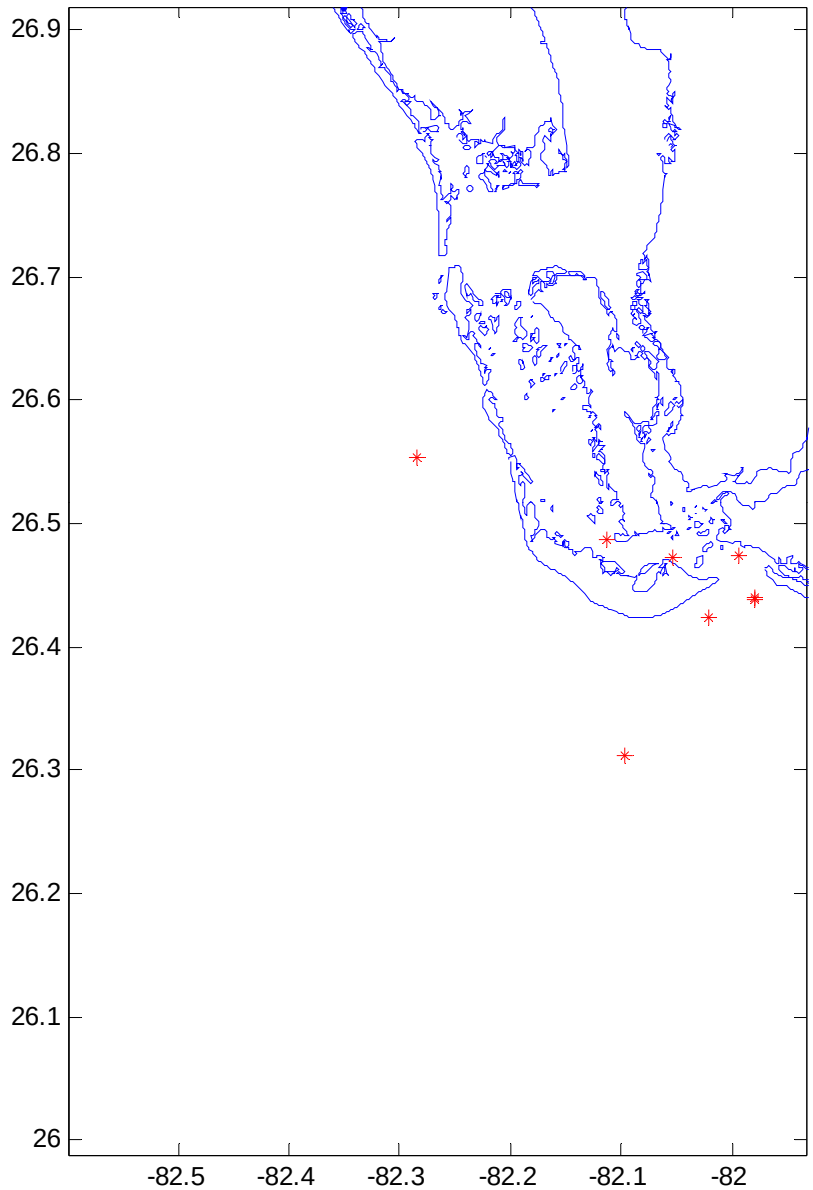

Fig 7-6 Initial drifter locations outside the Caloosahatchee R

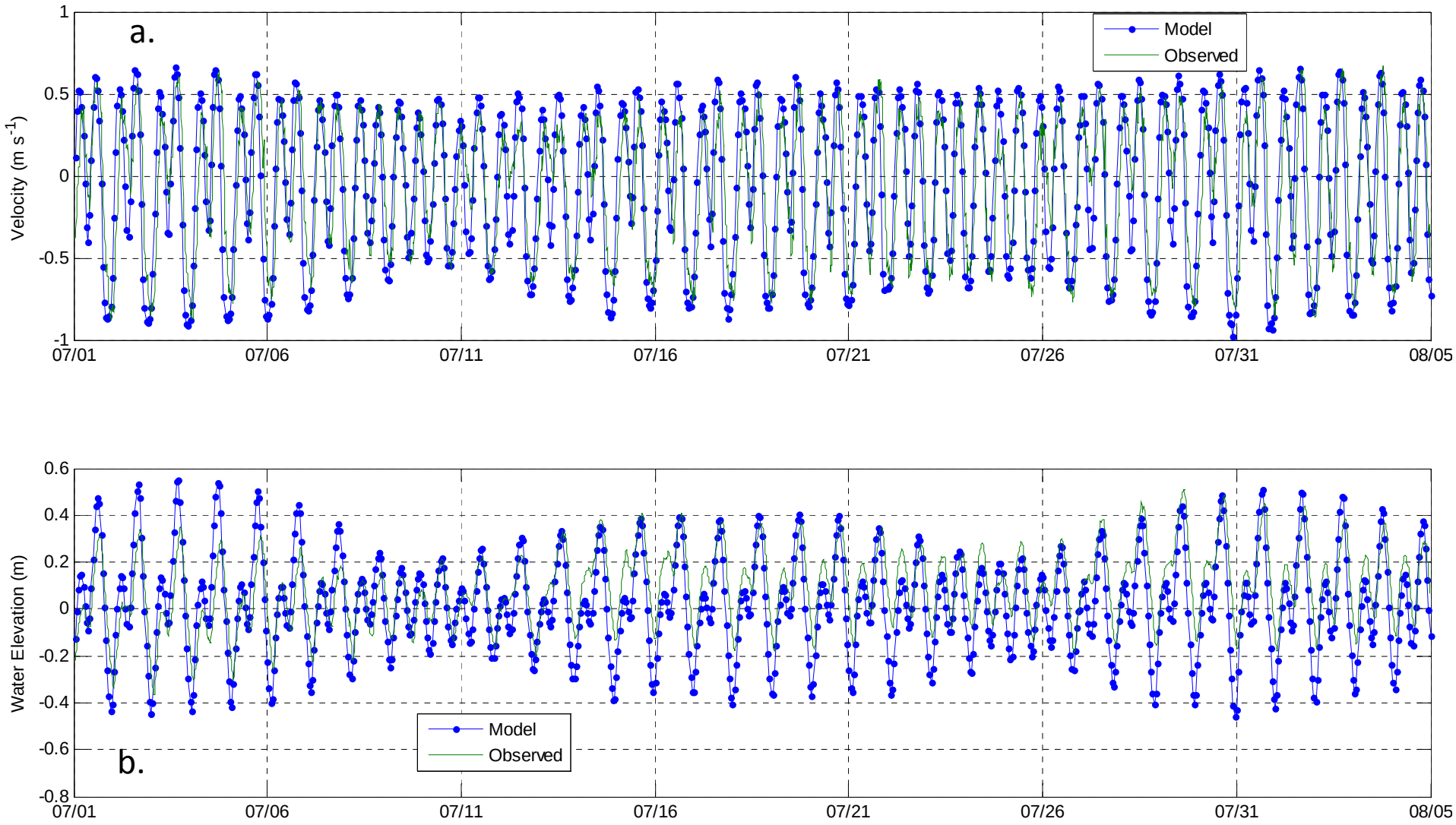

Fig 7-7 Observed and predicted a) water currents and b) water level at Marker 52

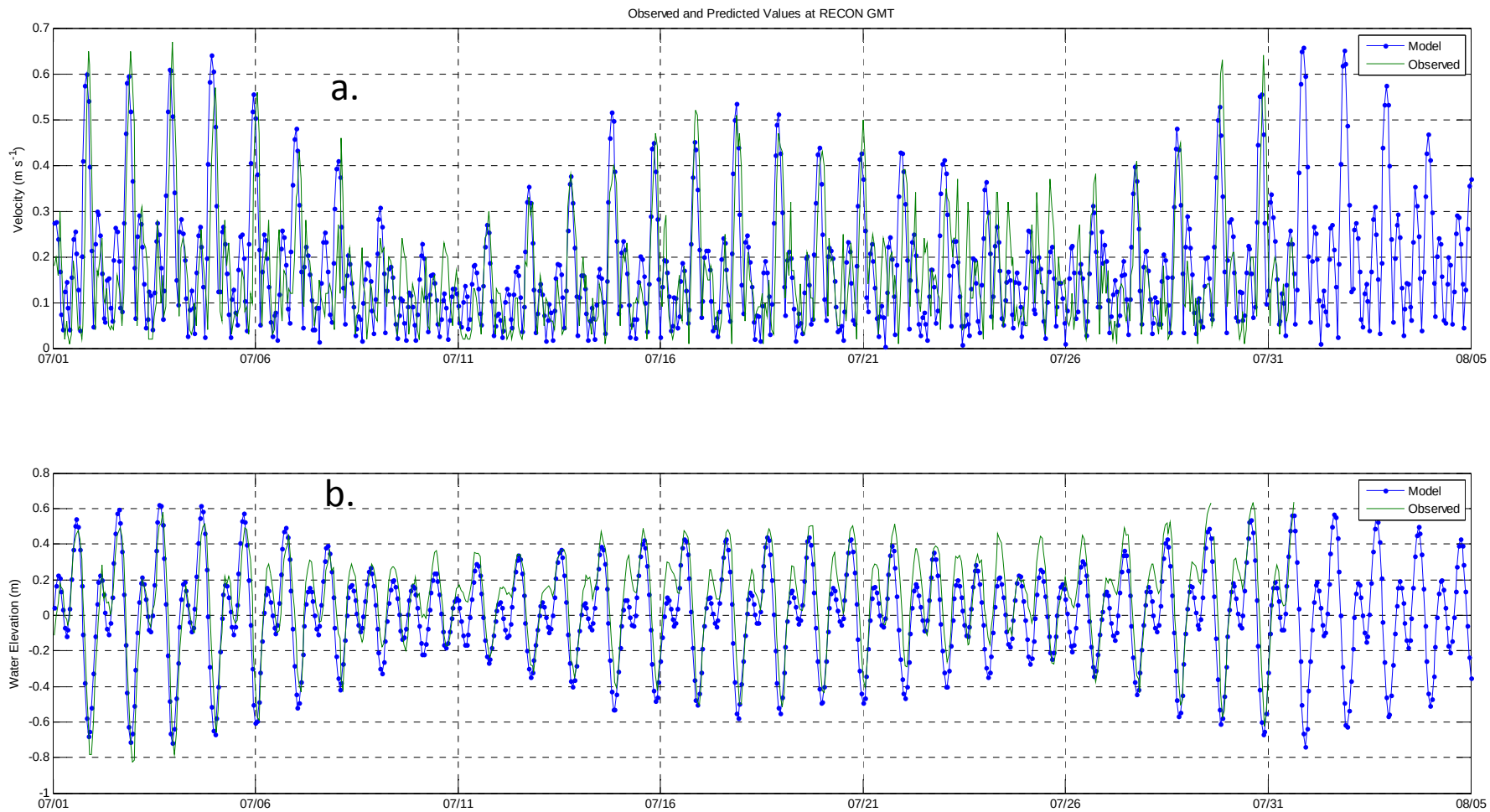

Fig. 7-8 Observed and predicted a) water currents and b) water level at RECON GOM

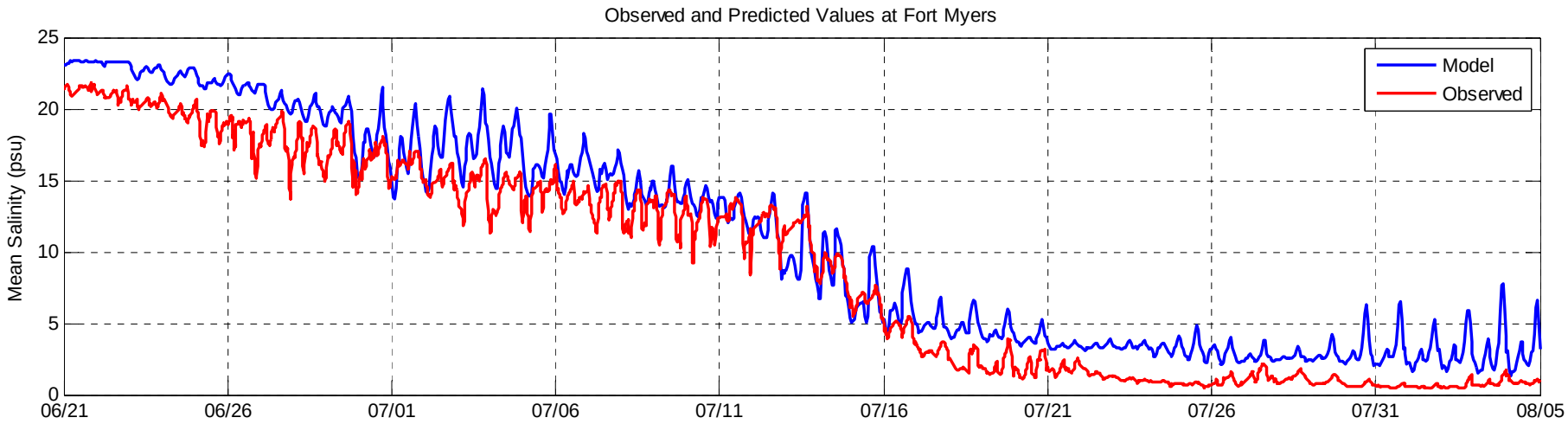

Fig. 7-9 and predicted mean salinity in the Caloosahatchee R. at Fort Myers

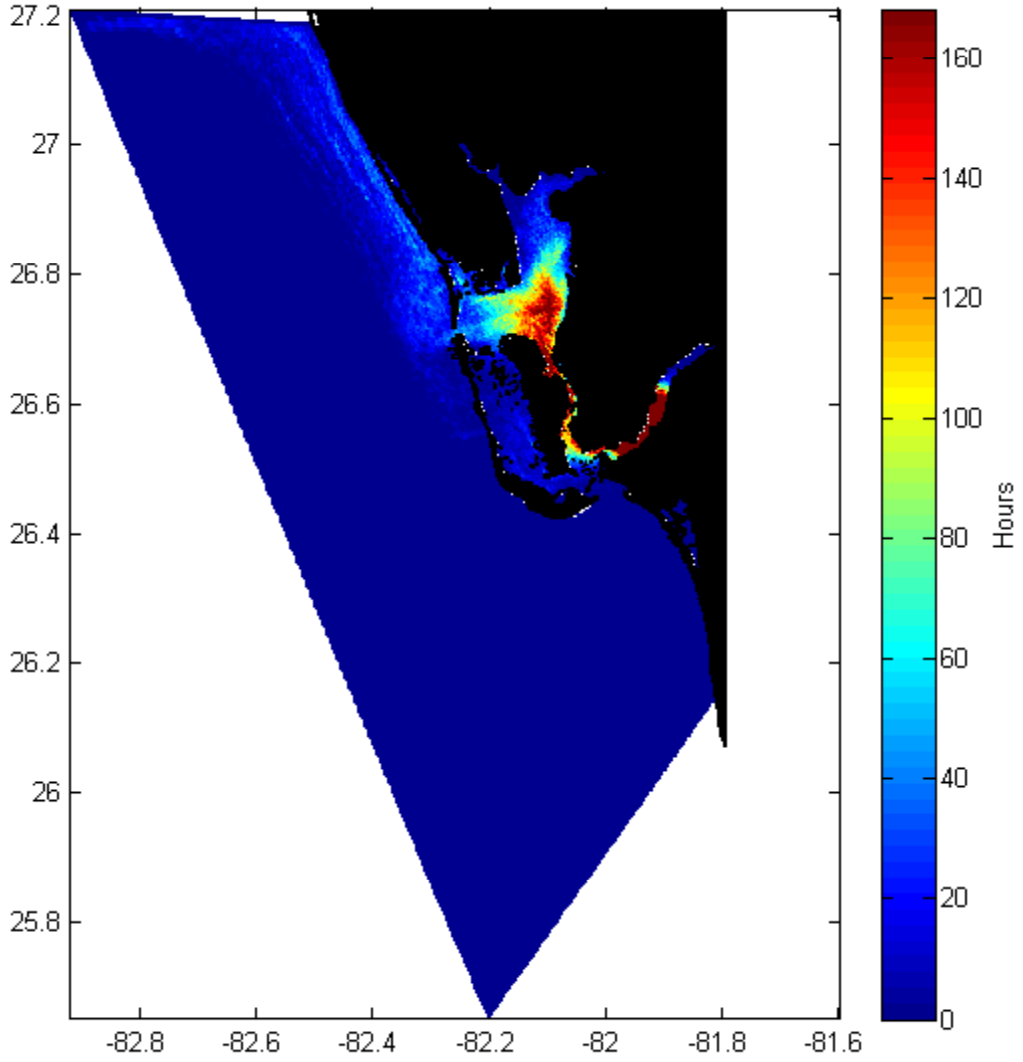

Fig. 7-10 Time each grid cell was occupied by drifters originating in the lower Caloosahatchee R. during the wet season

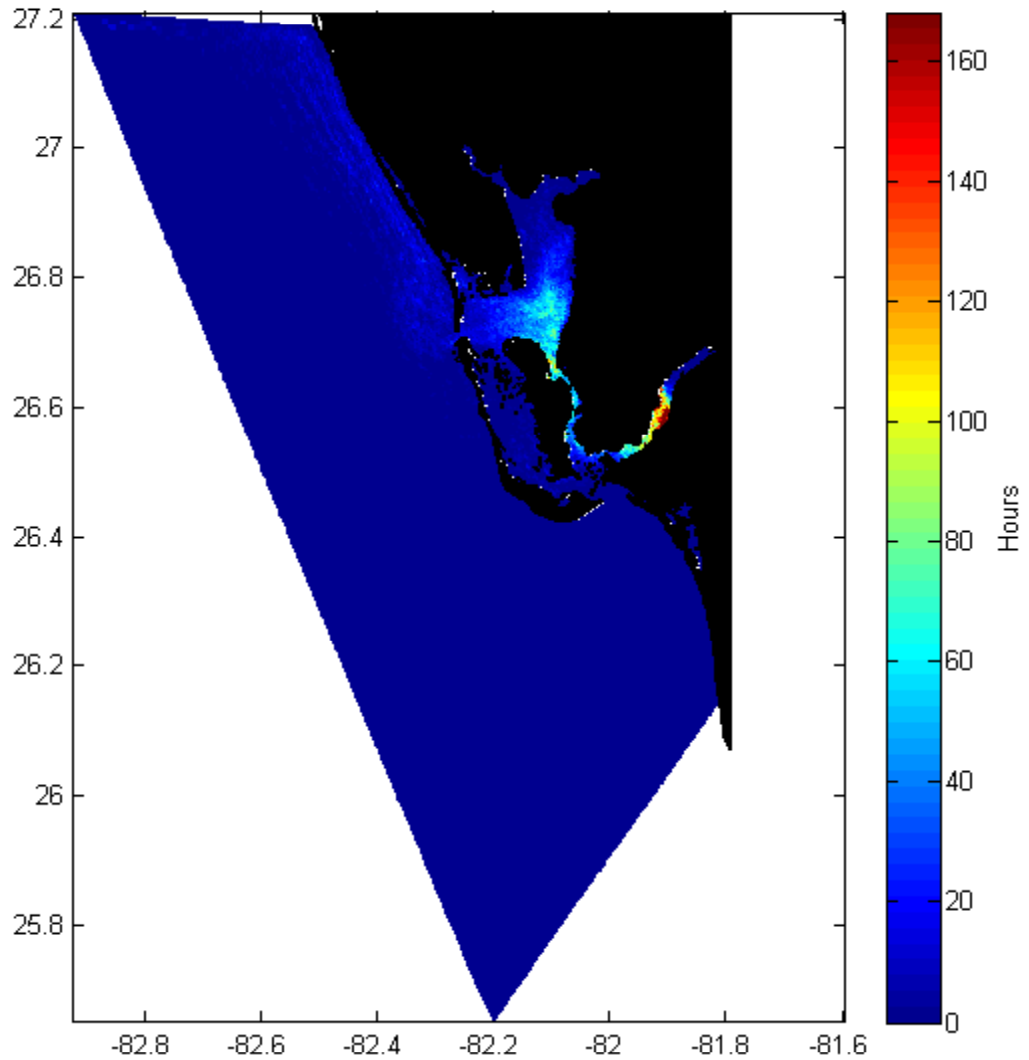

Fig. 7-11 Time each grid cell was occupied by surface drifters originating in the lower Caloosahatchee R. during the wet season

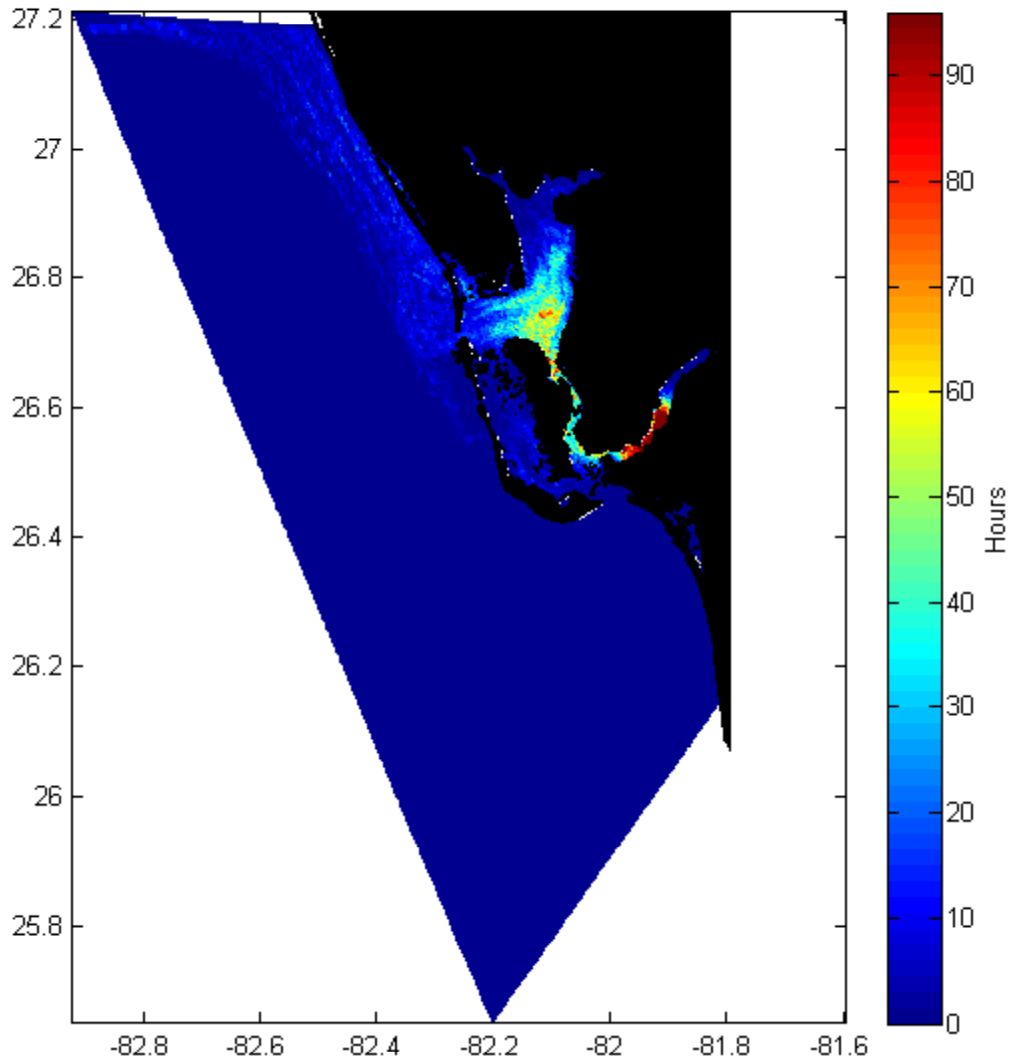

Fig. 7-12 Time each grid cell was occupied by mid level drifters originating in the lower Caloosahatchee R. during the wet season

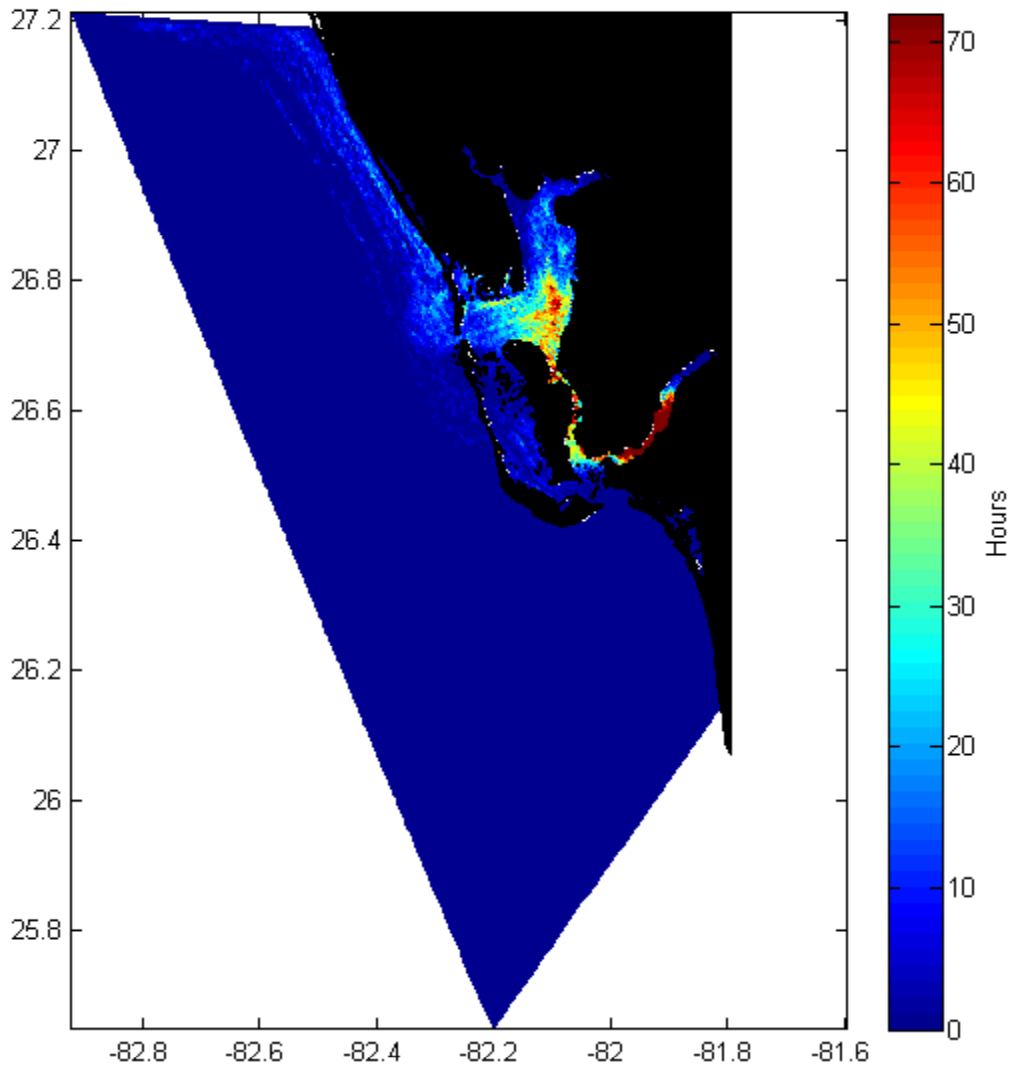

Fig. 7-13 Time each grid cell was occupied by bottom drifters originating in the lower Caloosahatchee R. during the wet season

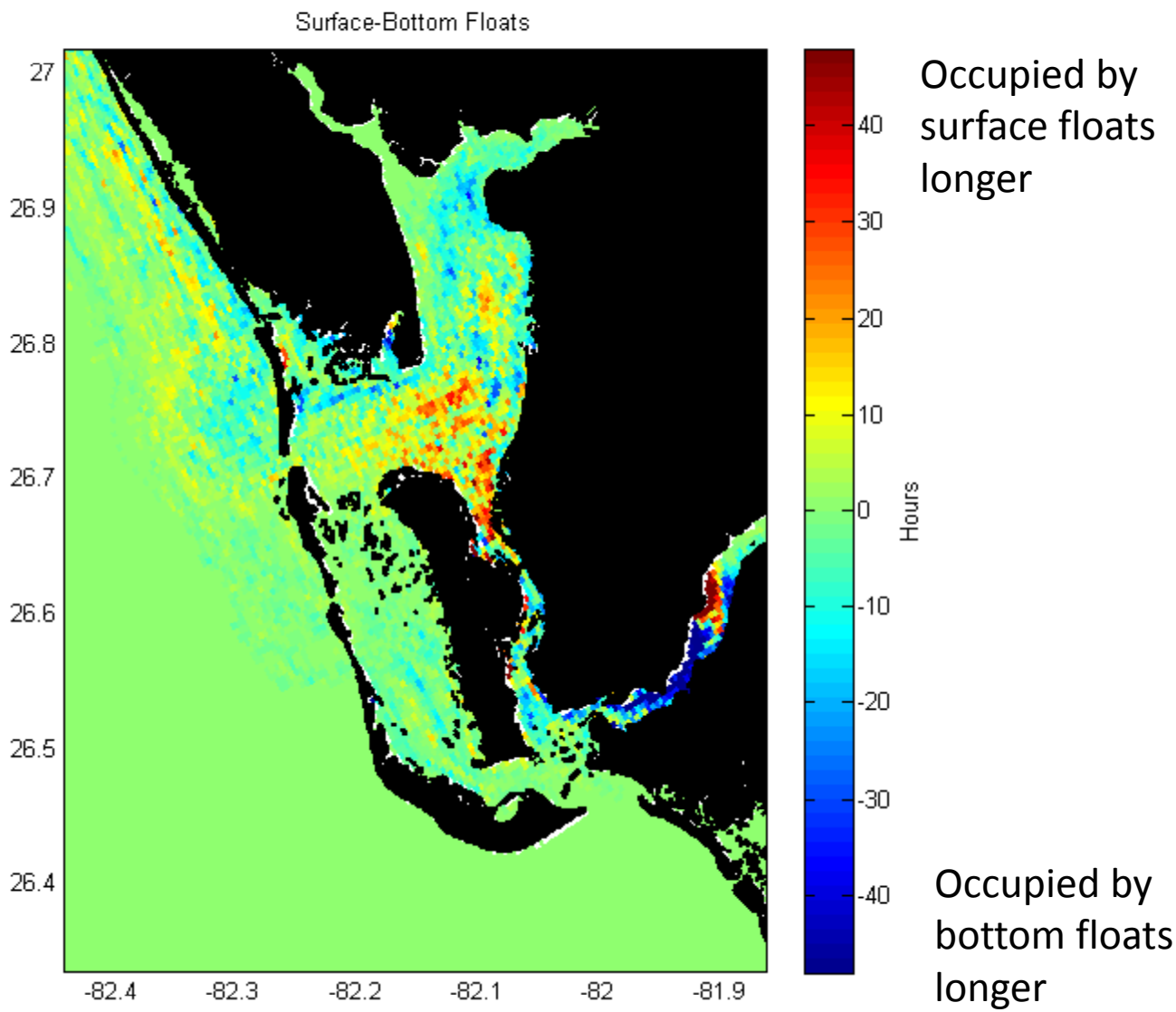

Fig. 7-14 Difference in the time between surface and bottom drifters originating in the lower Caloosahatchee R in each grid cell during the wet season.

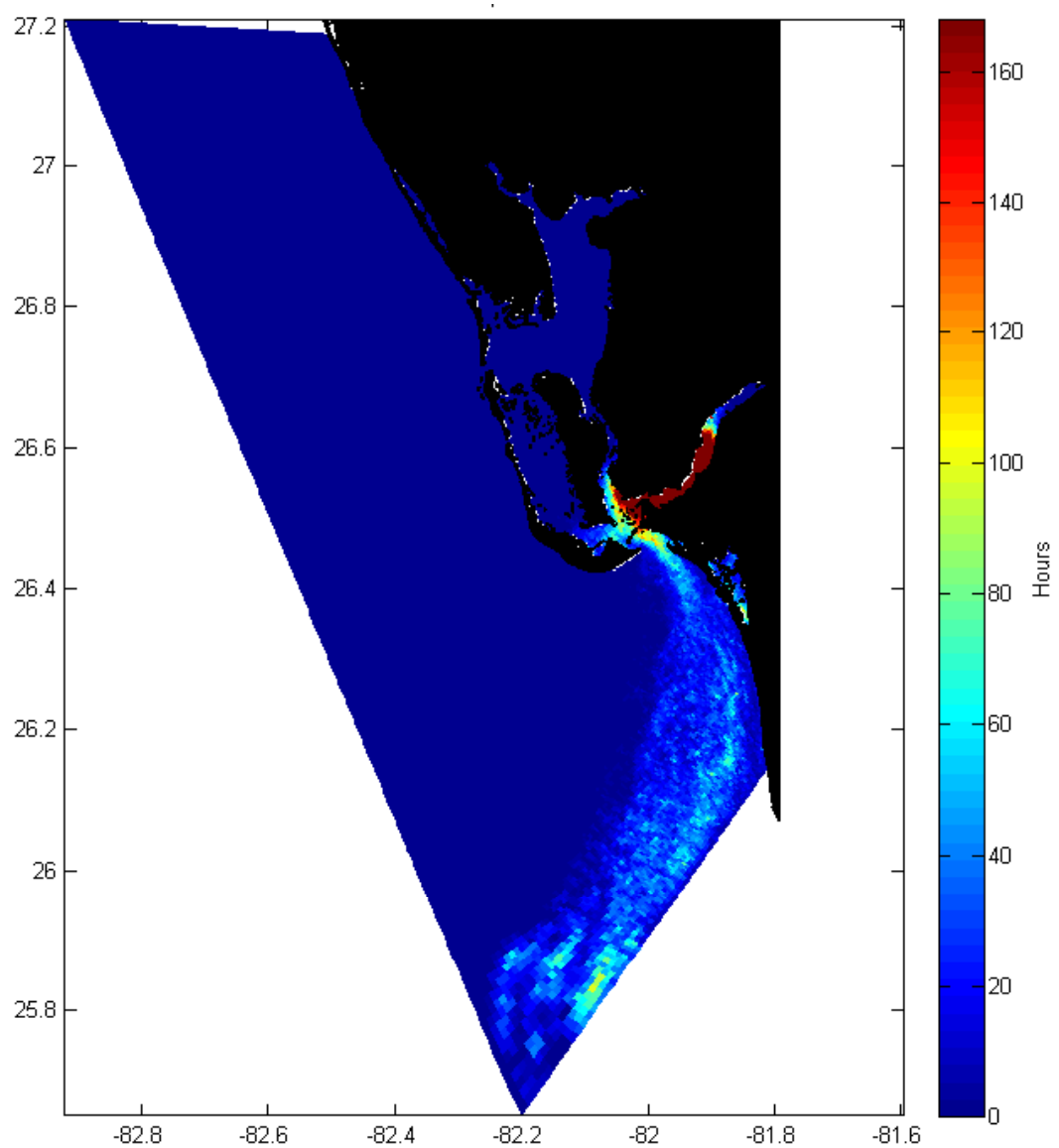

Fig. 7-15 Time each grid cell was occupied by drifters originating in the lower Caloosahatchee R. during the wet season with northwest winds.

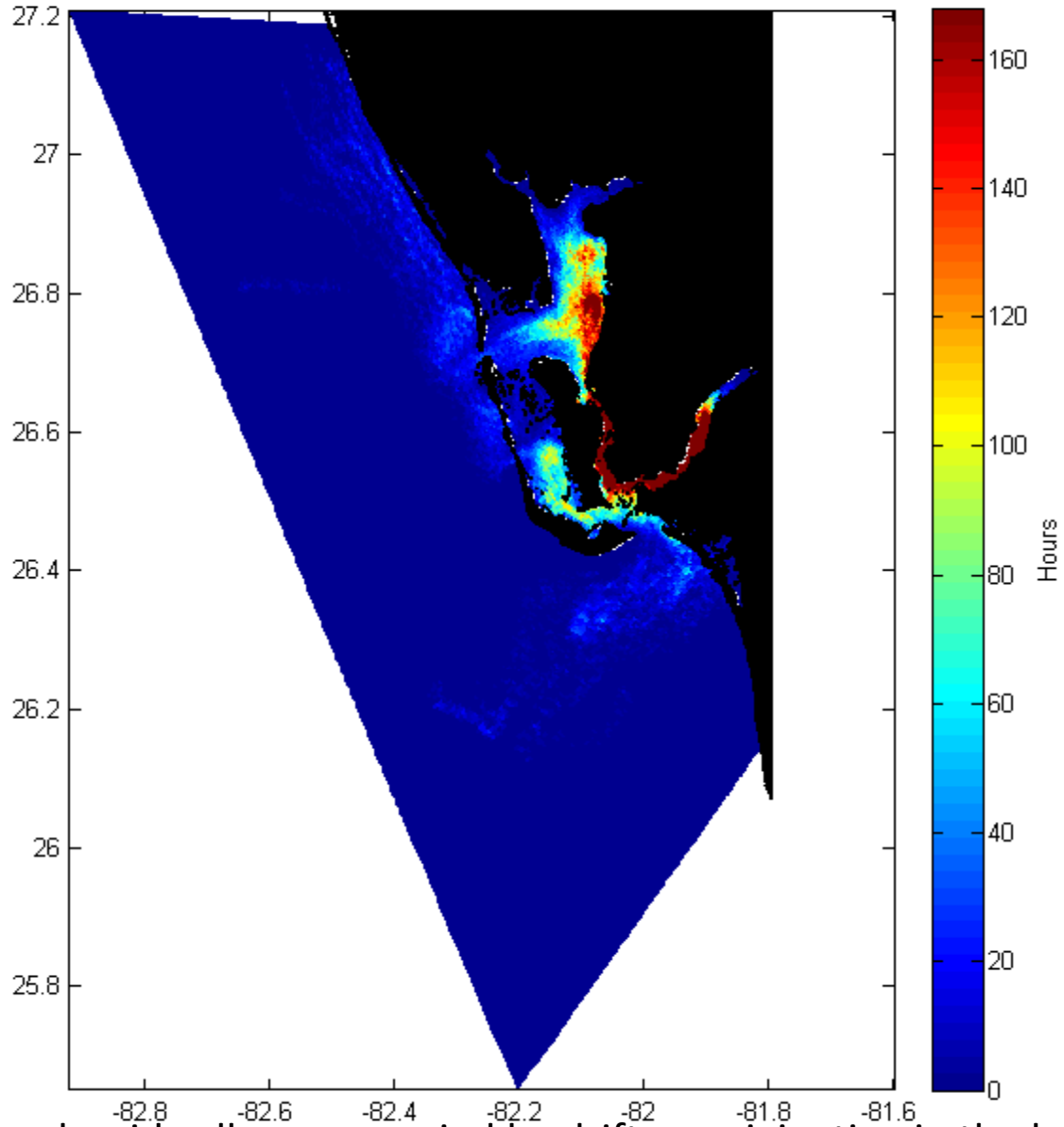

Fig. 7-16 Time each grid cell was occupied by drifters originating in the lower Caloosahatchee R. during the wet season with southwest winds.

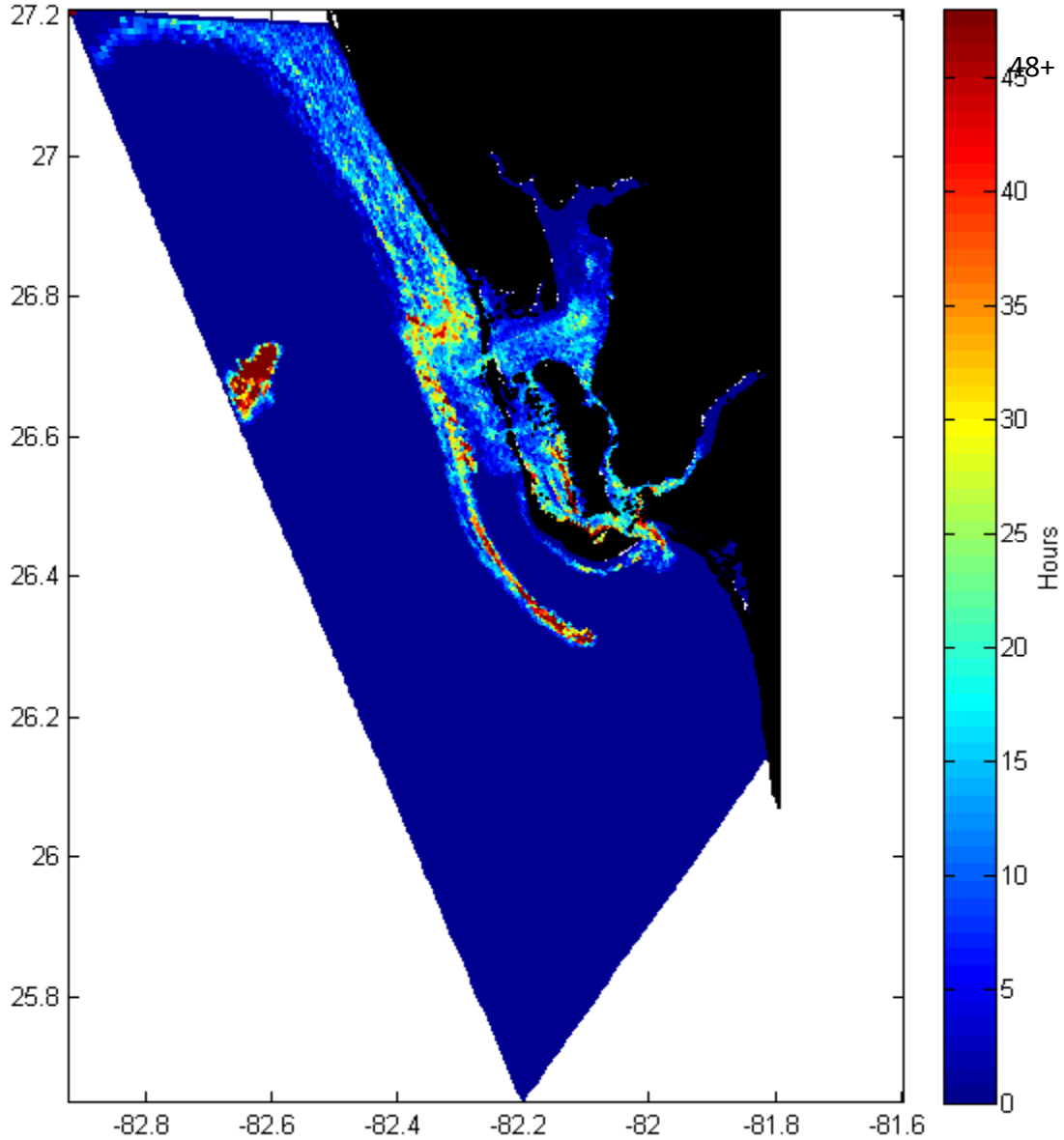

Fig. 7-17 Time each grid cell was occupied by bottom drifters originating from locations outside of the Caloosahatchee R. with observed winds during the wet season

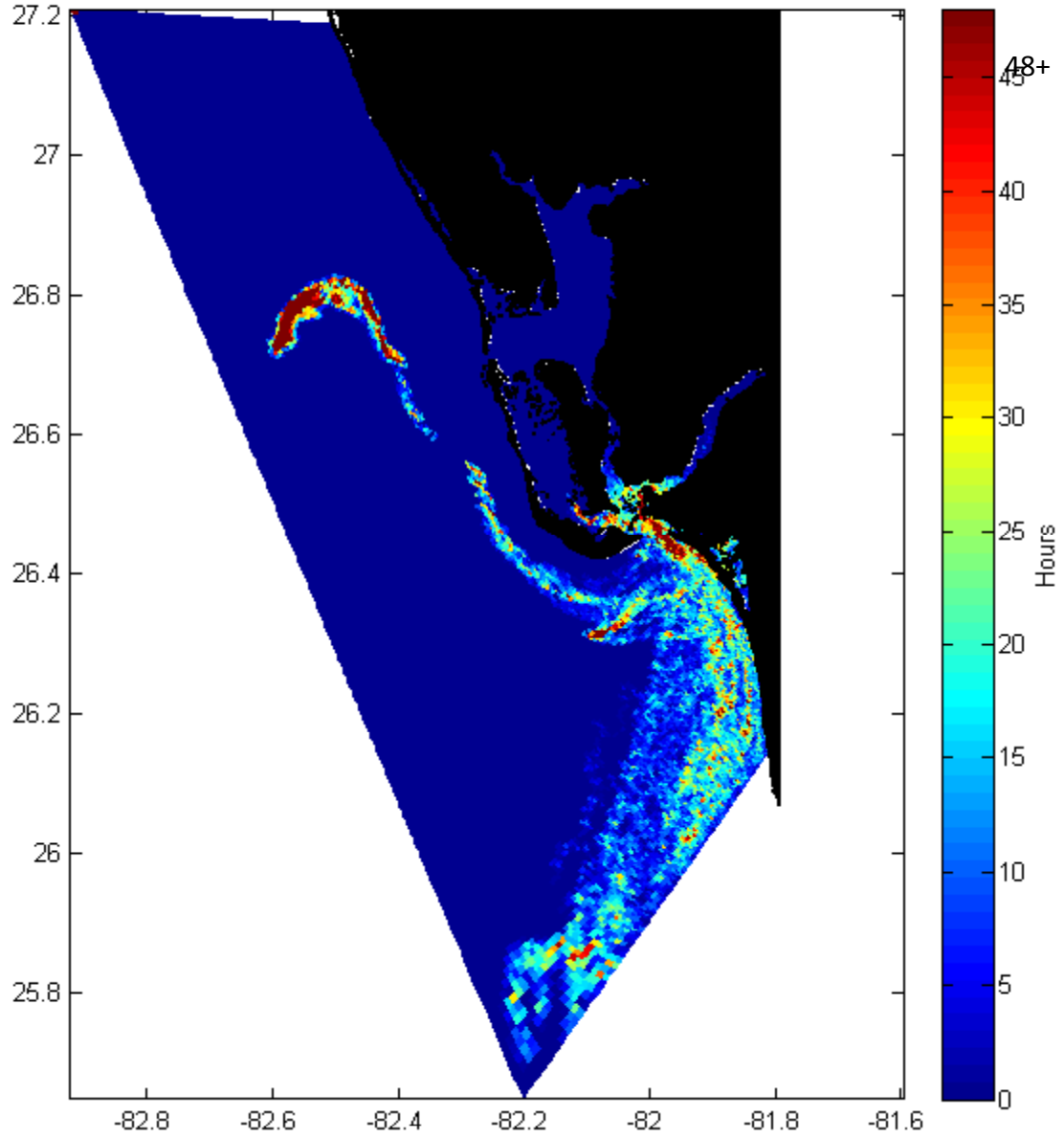

Fig. 7-18 Time each grid cell was occupied by bottom drifters originating from locations outside of the Caloosahatchee R. during the wet season with northwest winds.

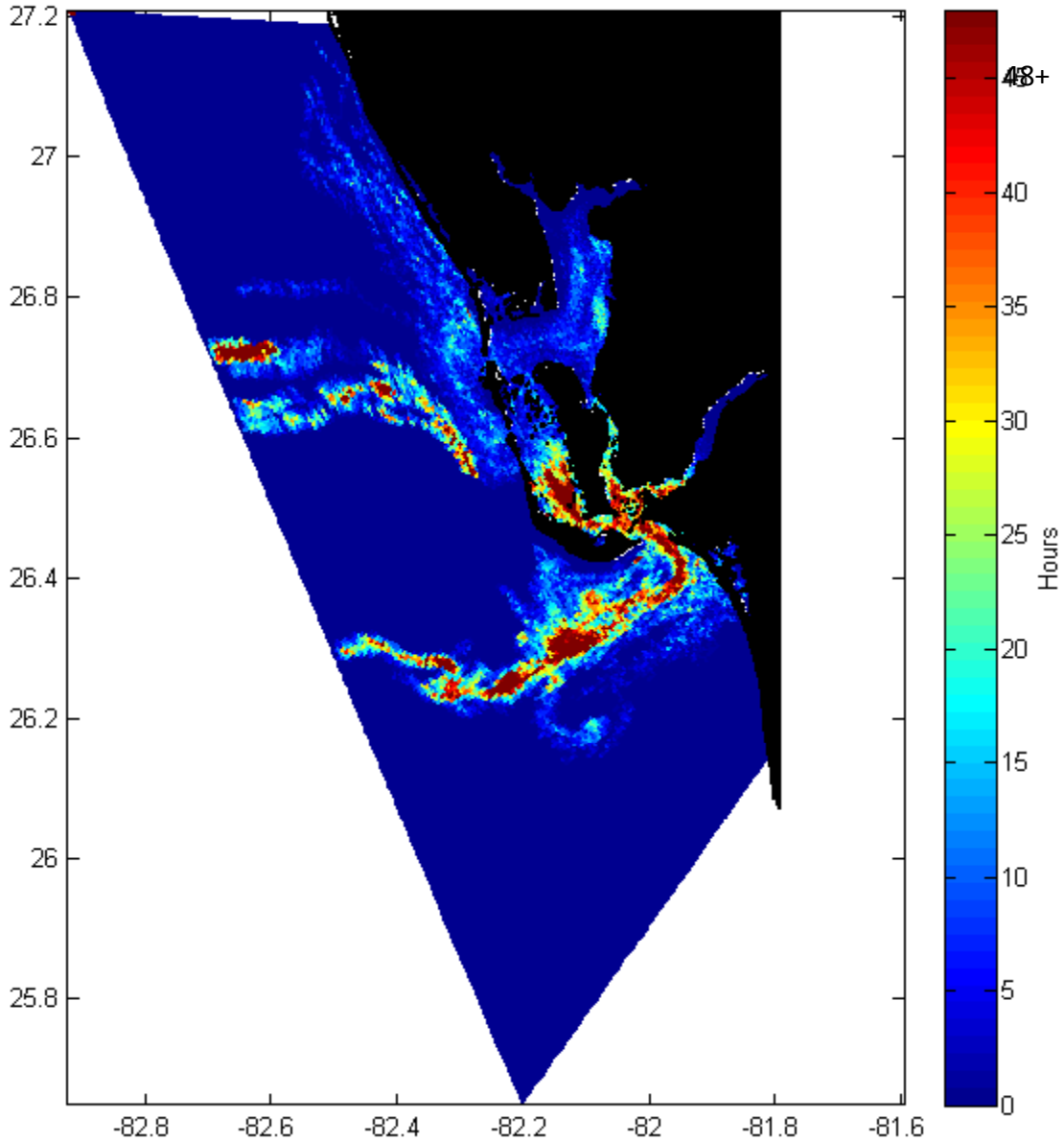

Fig. 7-19 Time each grid cell was occupied by bottom drifters originating from locations outside of the Caloosahatchee R. during the wet season with southwest winds.

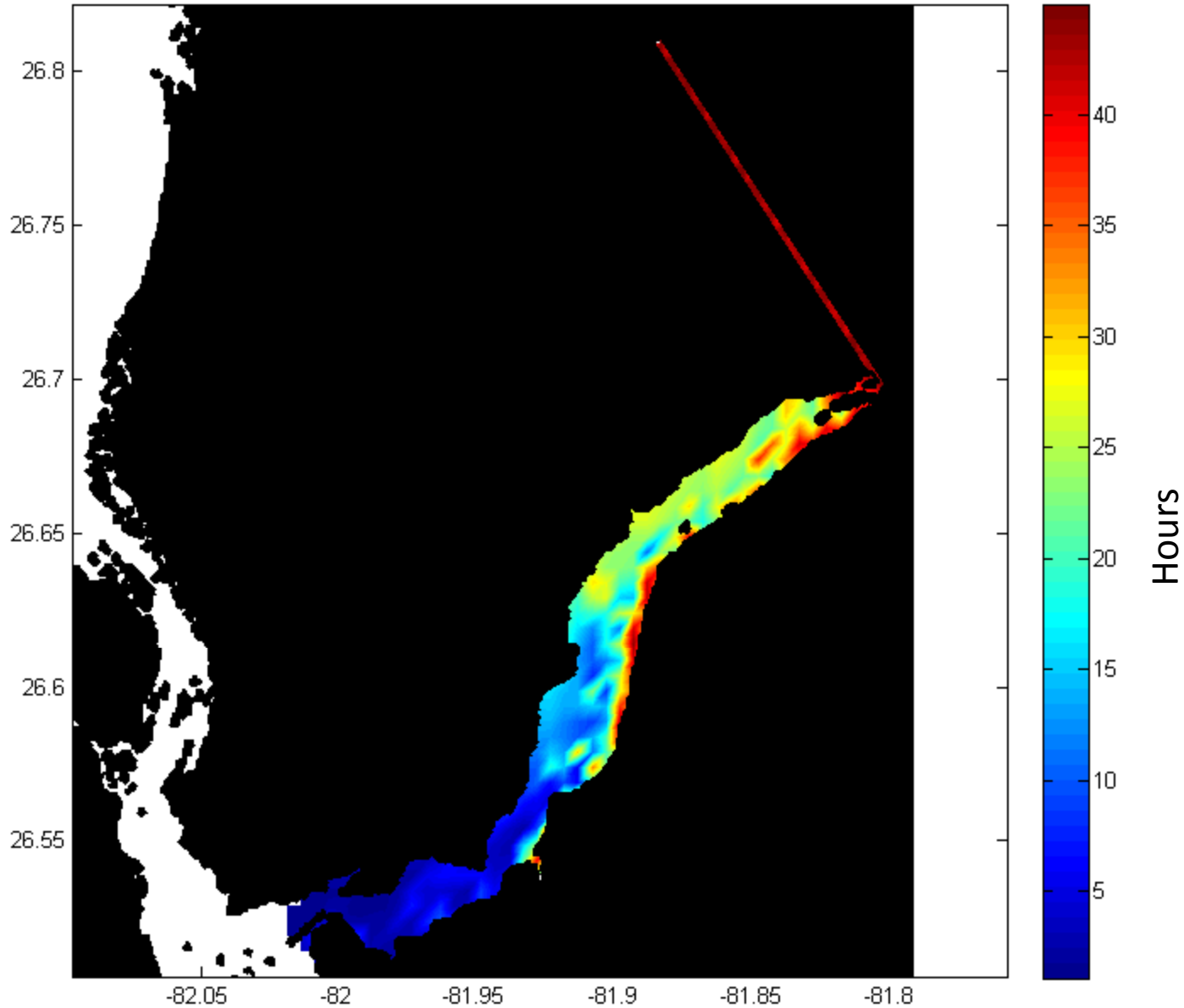

Fig. 7-20 Residence times of drifters in the Caloosahatchee R. during the wet season simulation

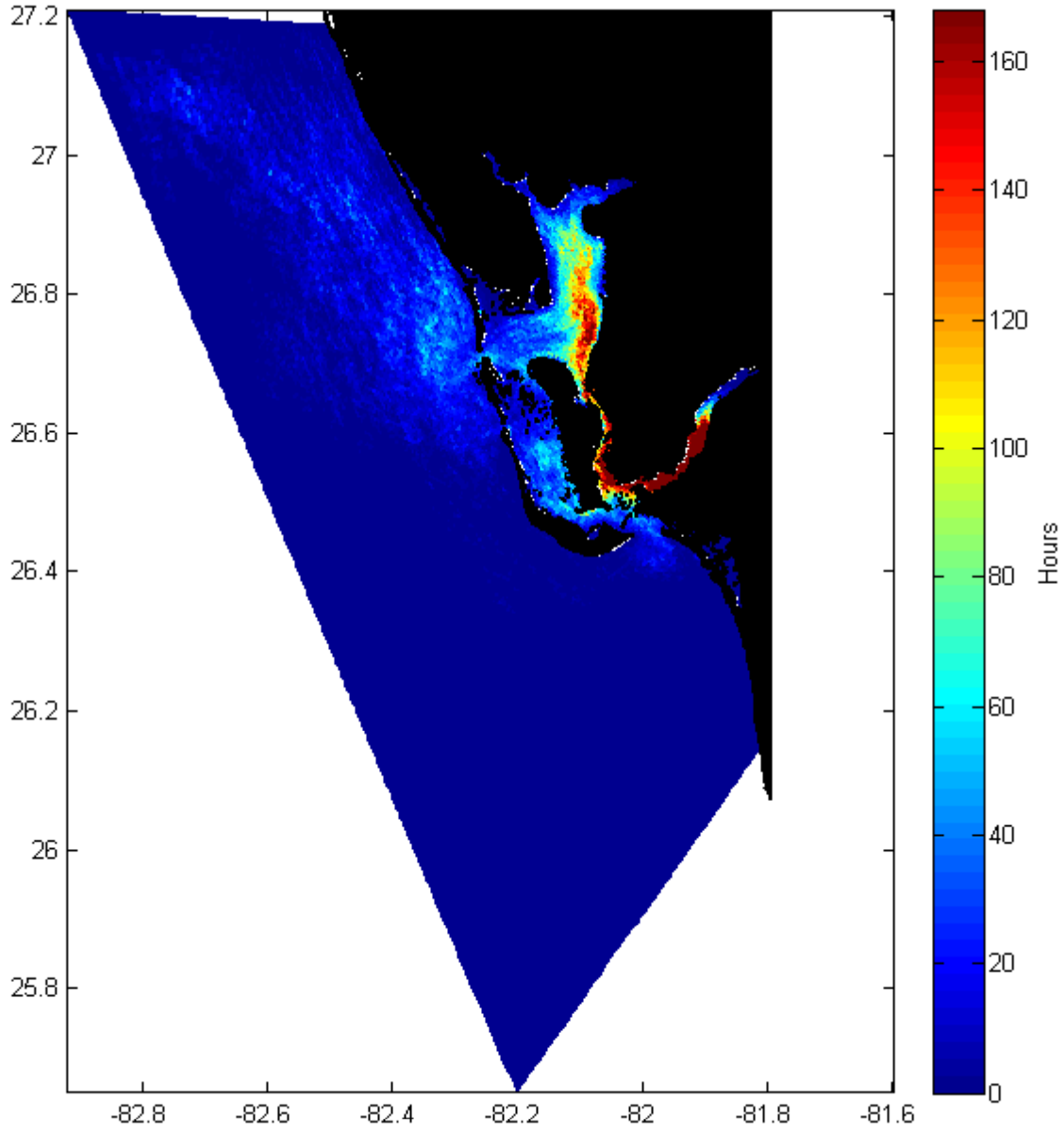

Fig. 7-21 Time each grid cell was occupied by drifters originating in the lower Caloosahatchee R. during the wet season with Redfish Pass closed

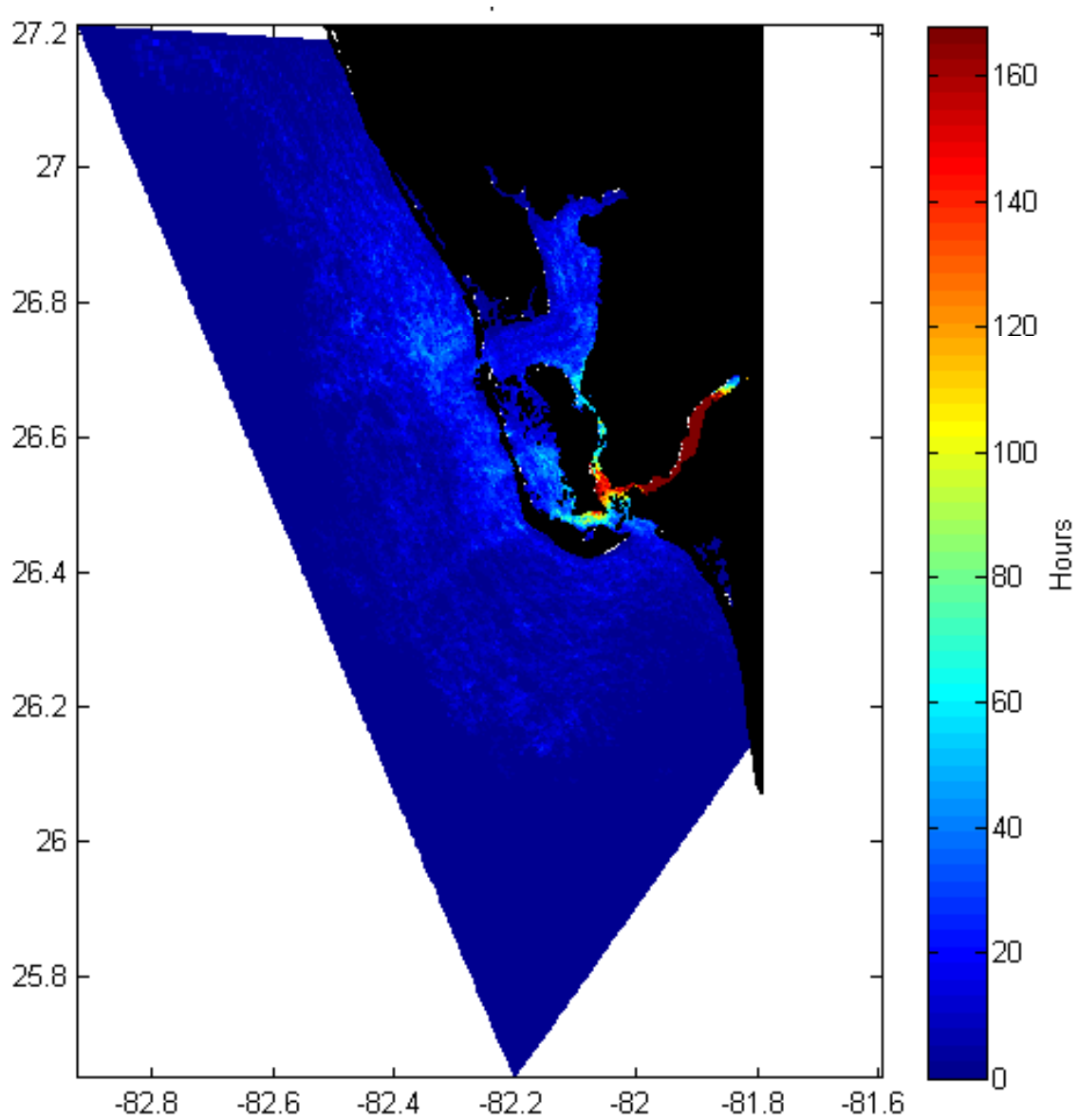

Fig. 7-22 Time each grid cell was occupied by drifters originating in the lower Caloosahatchee R. during the dry season with observed winds

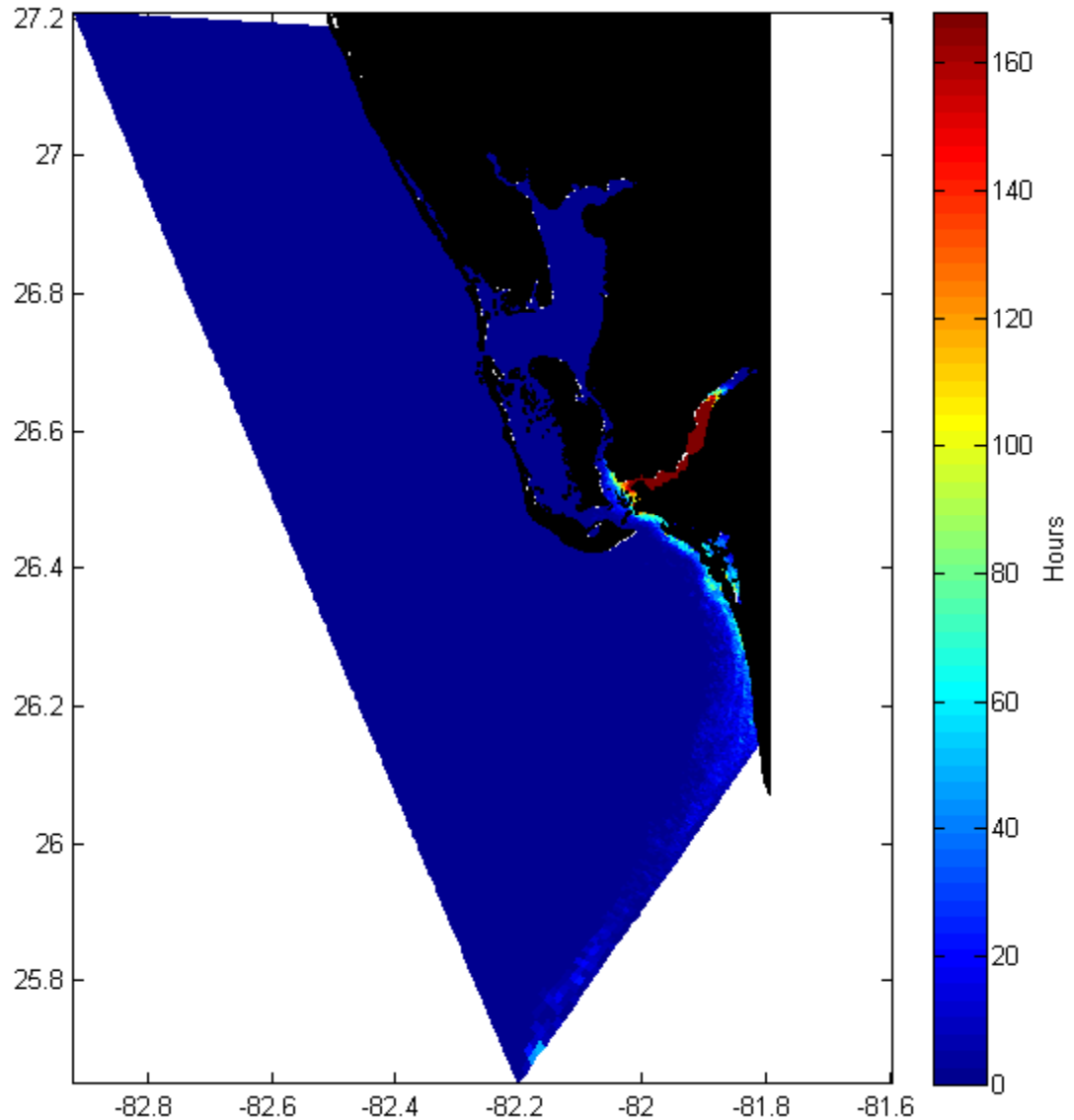

Fig. 7-23 Time each grid cell was occupied by drifters originating in the lower Caloosahatchee R. during the dry season with northwest winds.

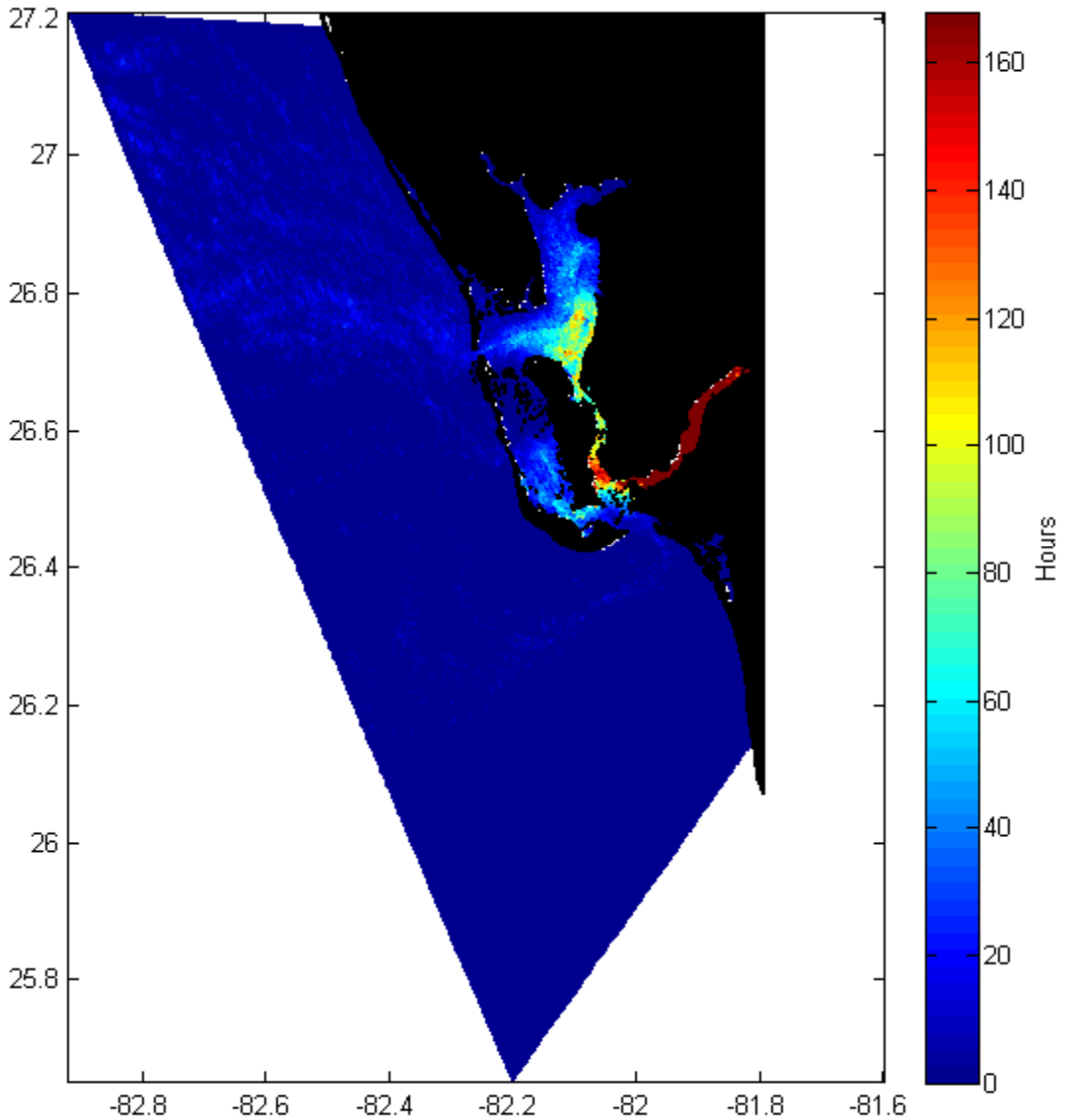

Fig. 7-24 Time each grid cell was occupied by drifters originating in the lower Caloosahatchee R. during the dry season with southwest winds.

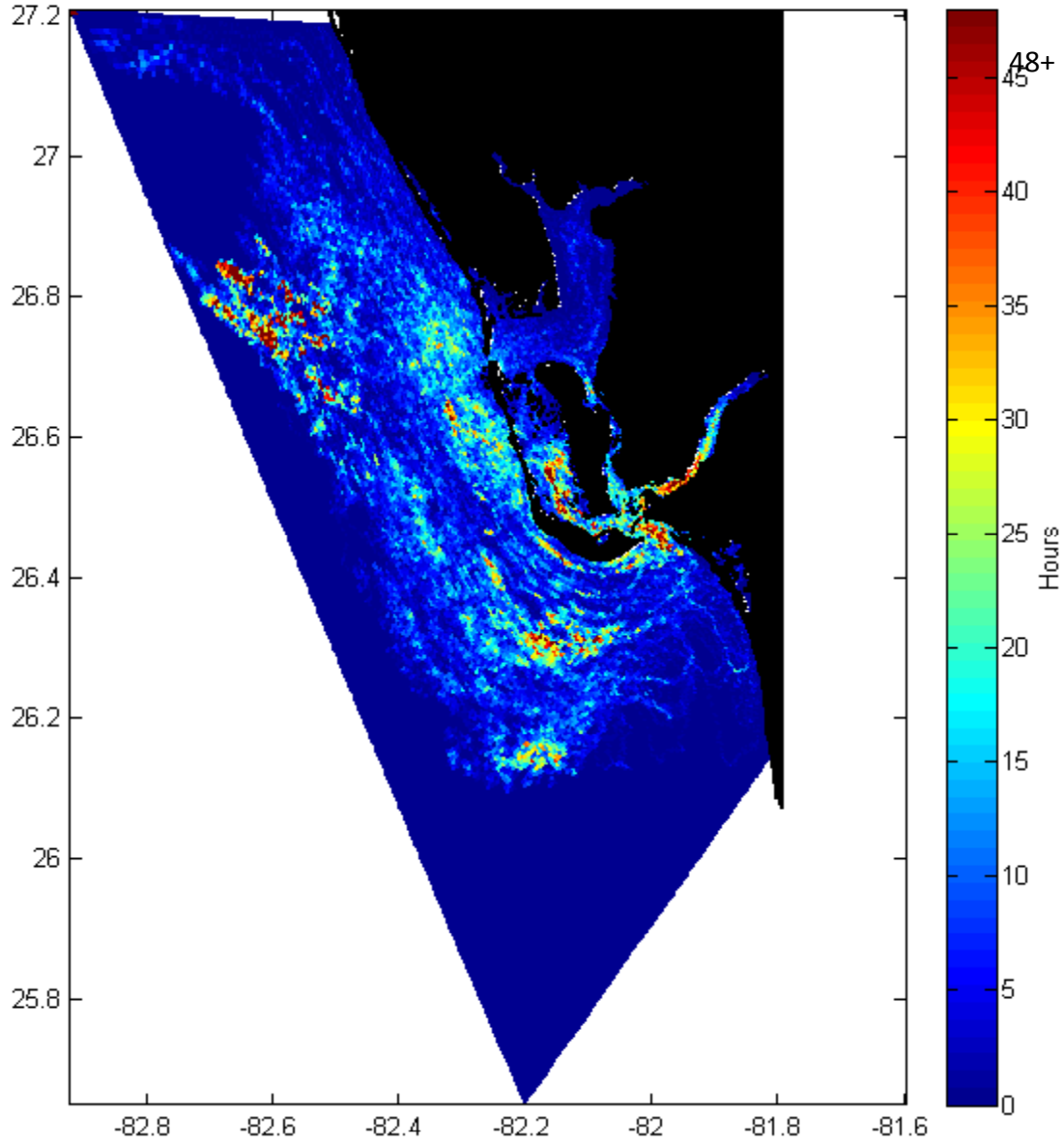

Fig. 7-25 Time each grid cell was occupied by bottom drifters originating from locations outside of the Caloosahatchee R. with observed winds during the dry season

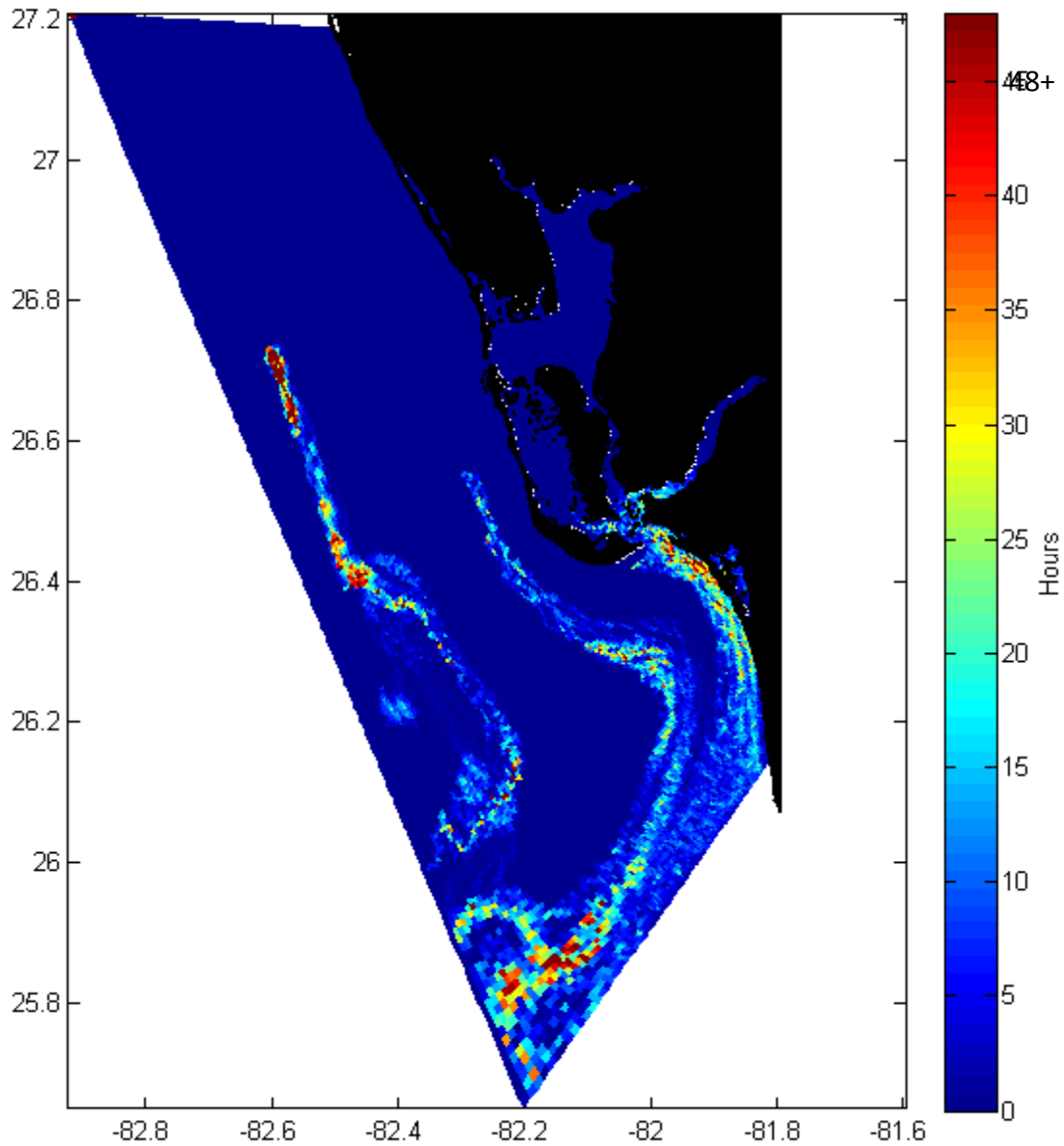

Fig. 7-26 Time each grid cell was occupied by bottom drifters originating from locations outside of the Caloosahatchee R. during the dry season with northwest winds.

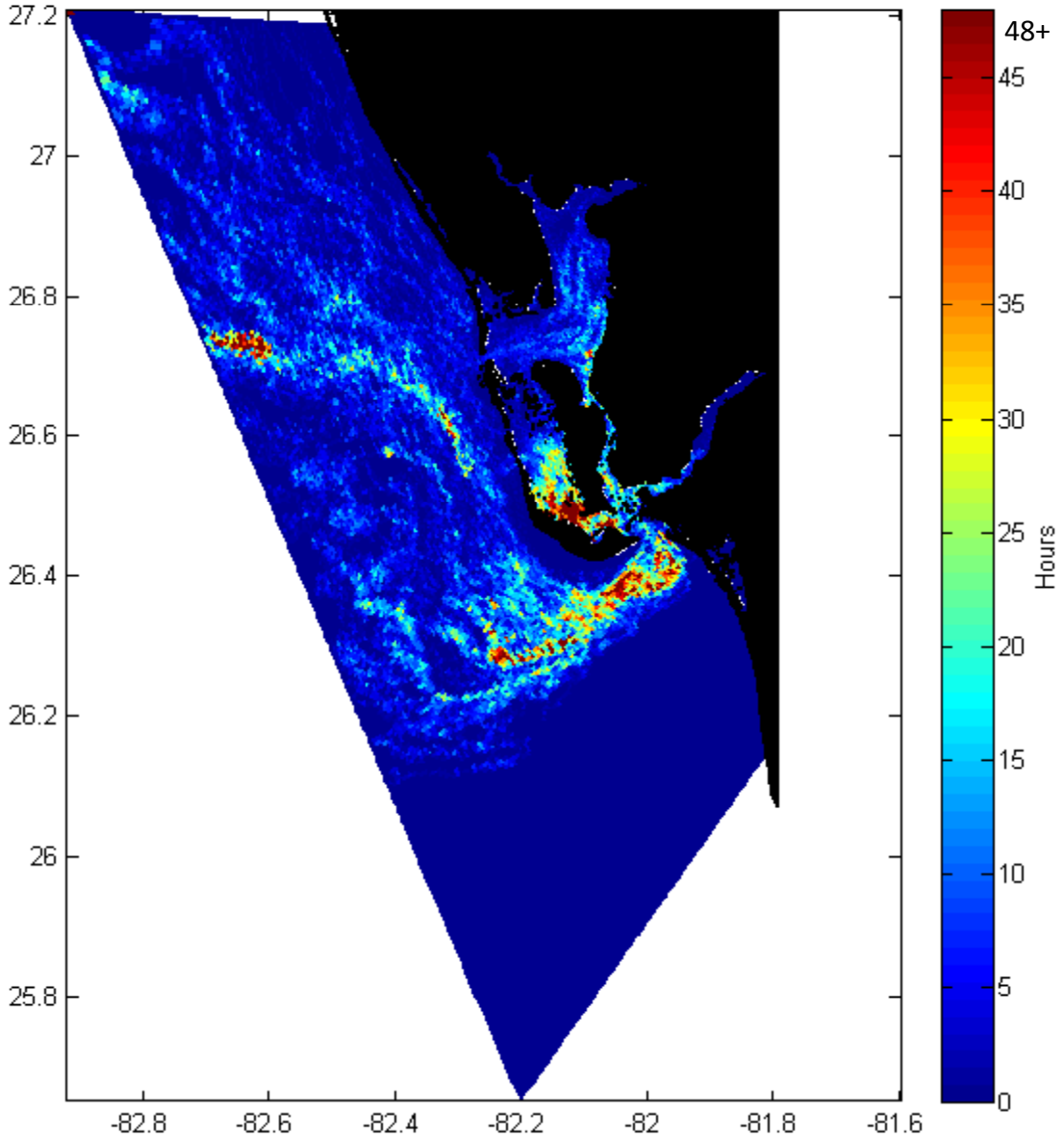

Fig. 7-27 Time each grid cell was occupied by bottom drifters originating from locations outside of the Caloosahatchee R. during the dry season with southwest winds.

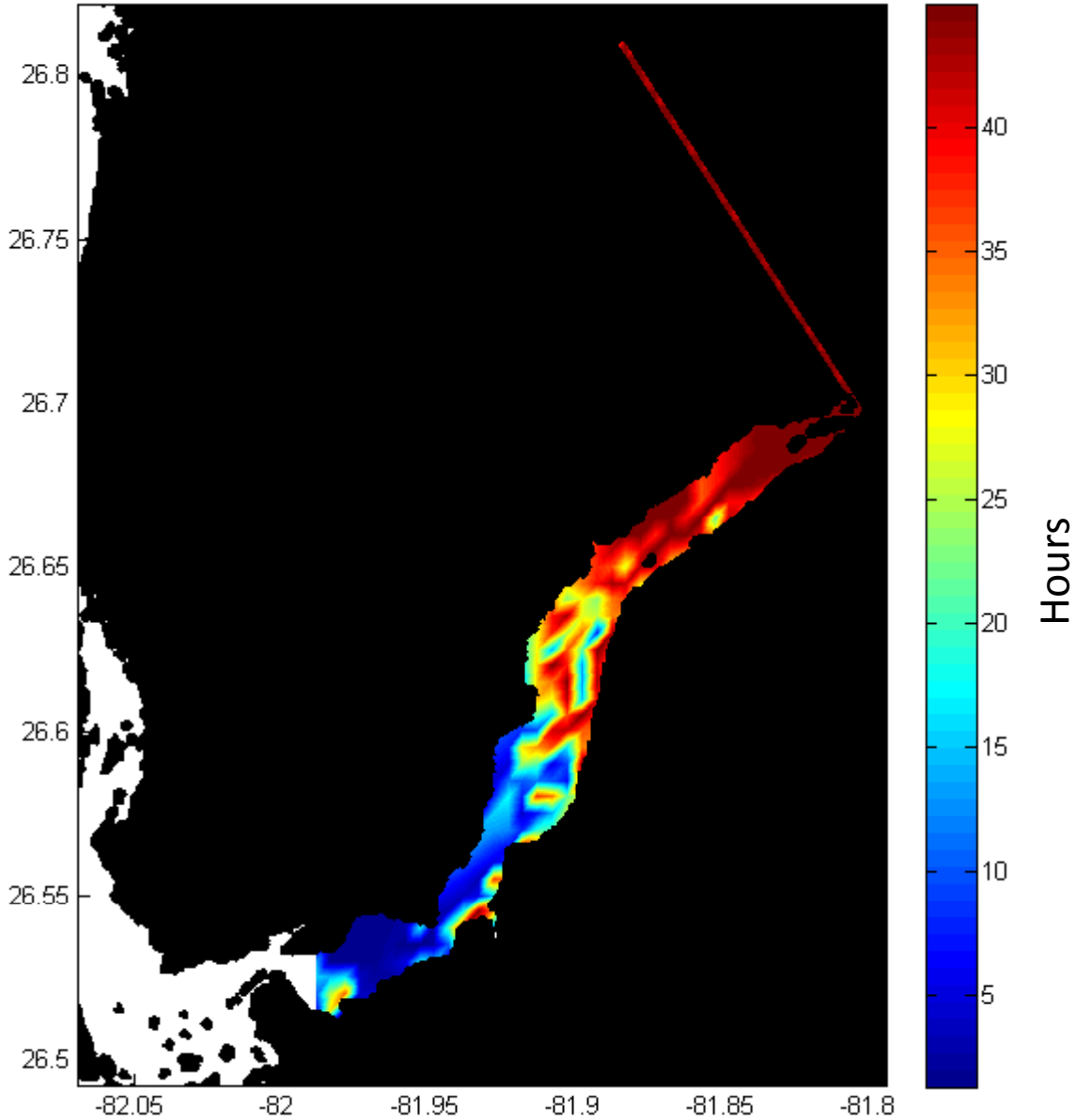

Fig. 7-28 Residence times of drifters in the Caloosahatchee R. during the dry season simulation

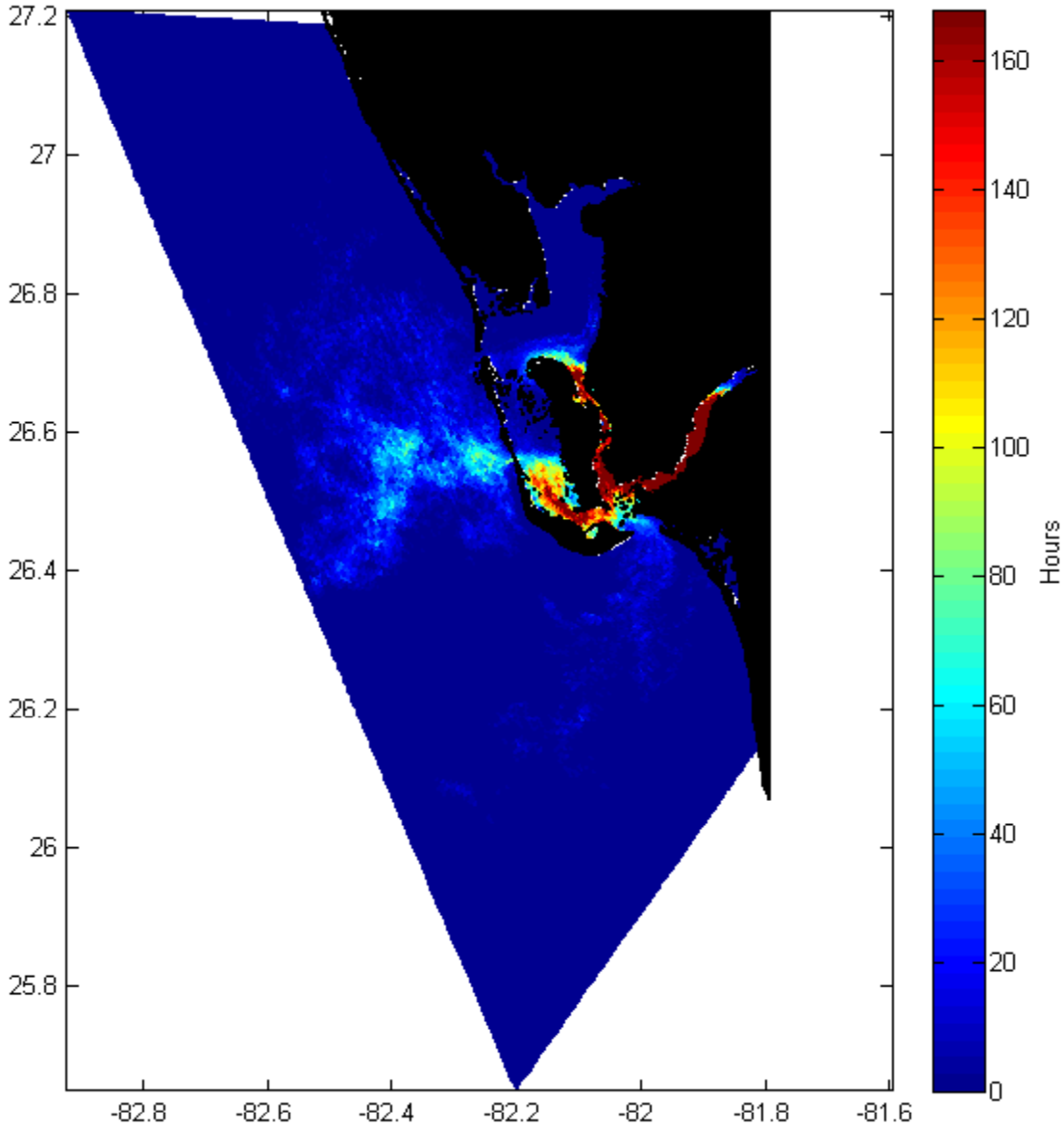

Fig. 7-29 Time each grid cell was occupied by drifters originating in the lower Caloosahatchee R. during the dry season with no wind forcing.

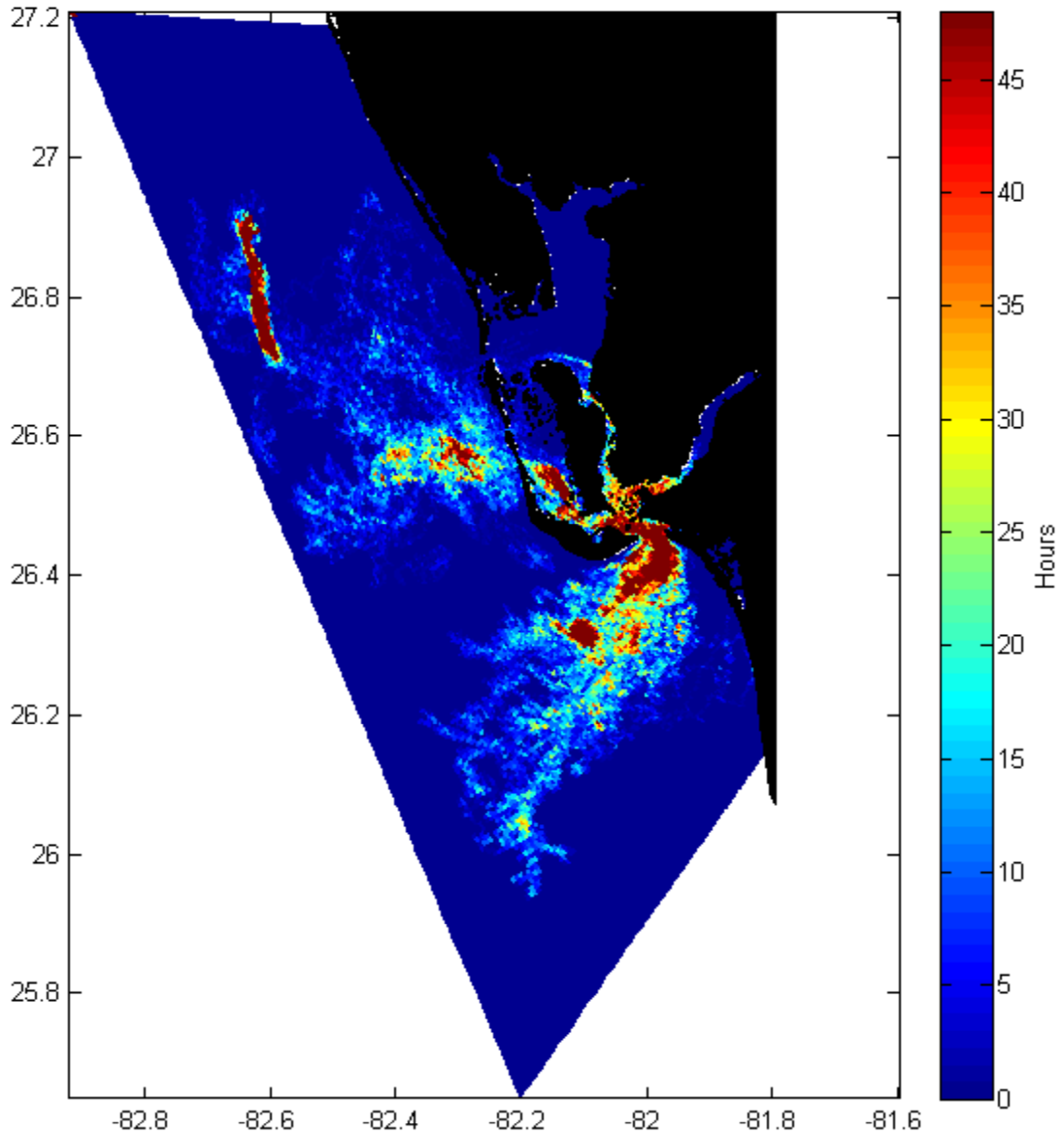

Fig. 7-30 Time each grid cell was occupied by bottom drifters originating from locations outside of the Caloosahatchee R. with no wind forcing during the dry season

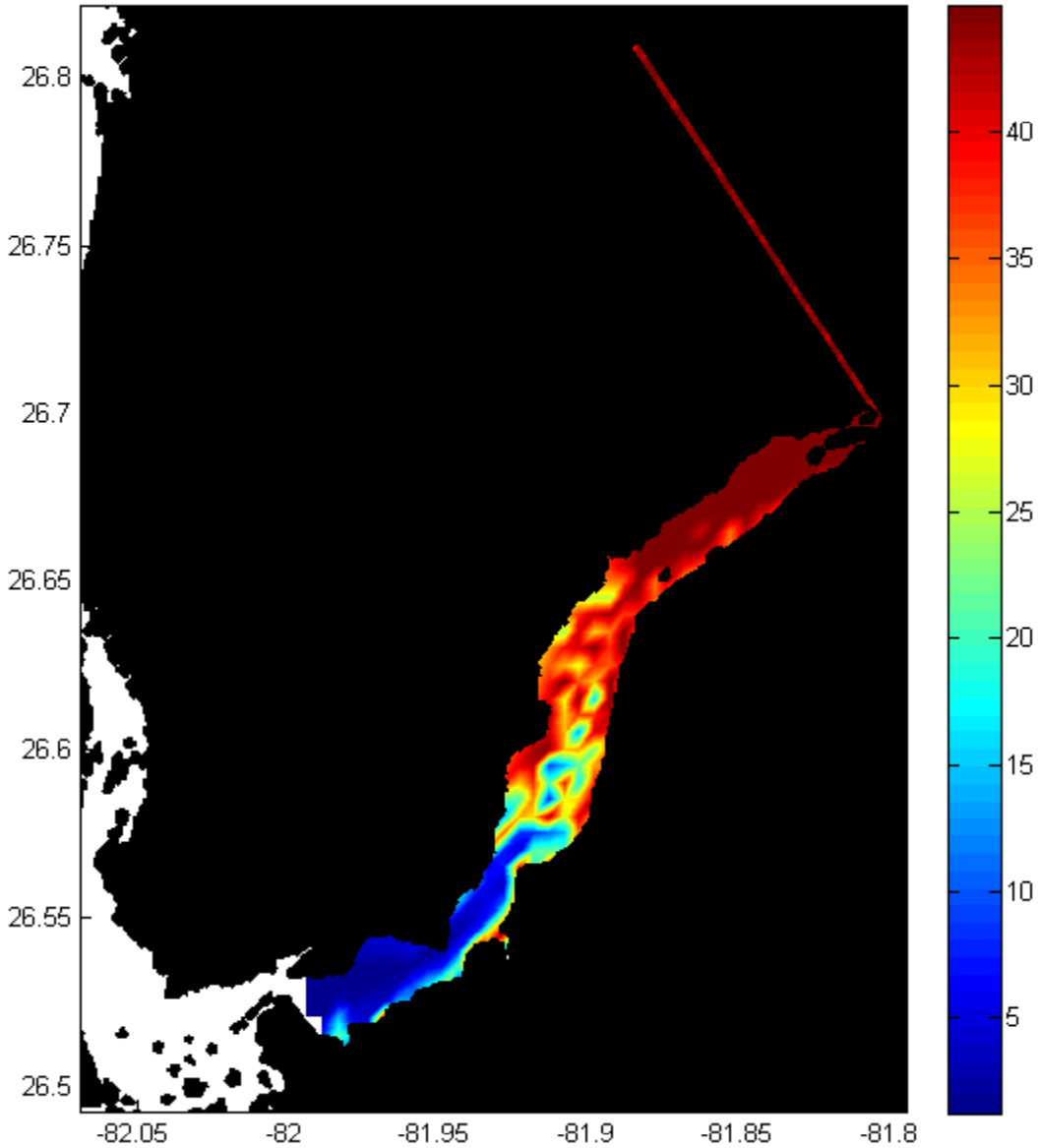

Fig. 7-31 Residence times of drifters in the Caloosahatchee R. during the dry season with no wind forcing simulation

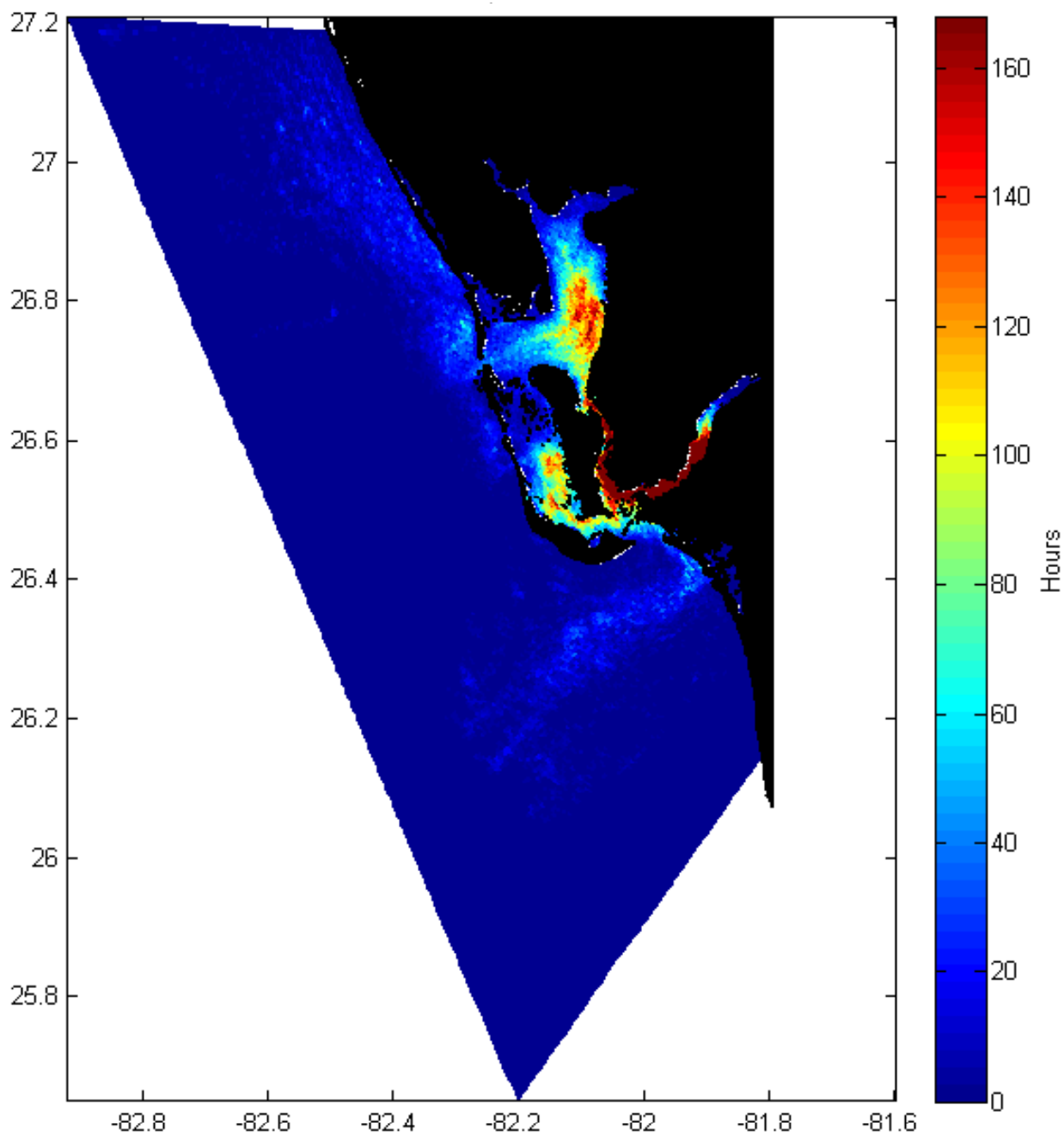

Fig. 7-32 Time each grid cell was occupied by drifters originating in the lower Caloosahatchee R. during high discharge in August 2008 with observed winds.

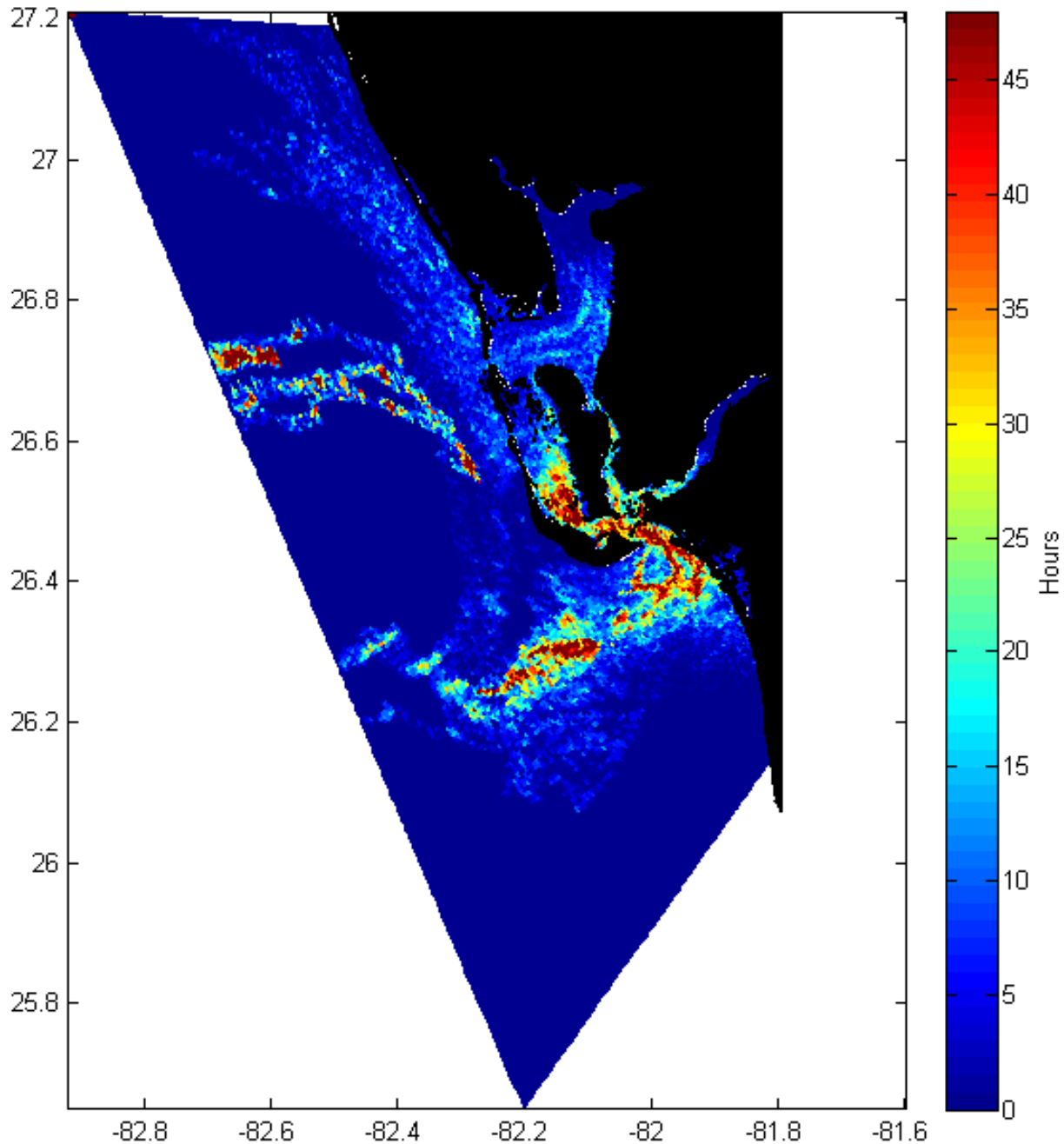

Fig. 7-33 Time each grid cell was occupied by bottom drifters originating from locations outside of the Caloosahatchee R. during high discharge in August 2008 with observed winds.

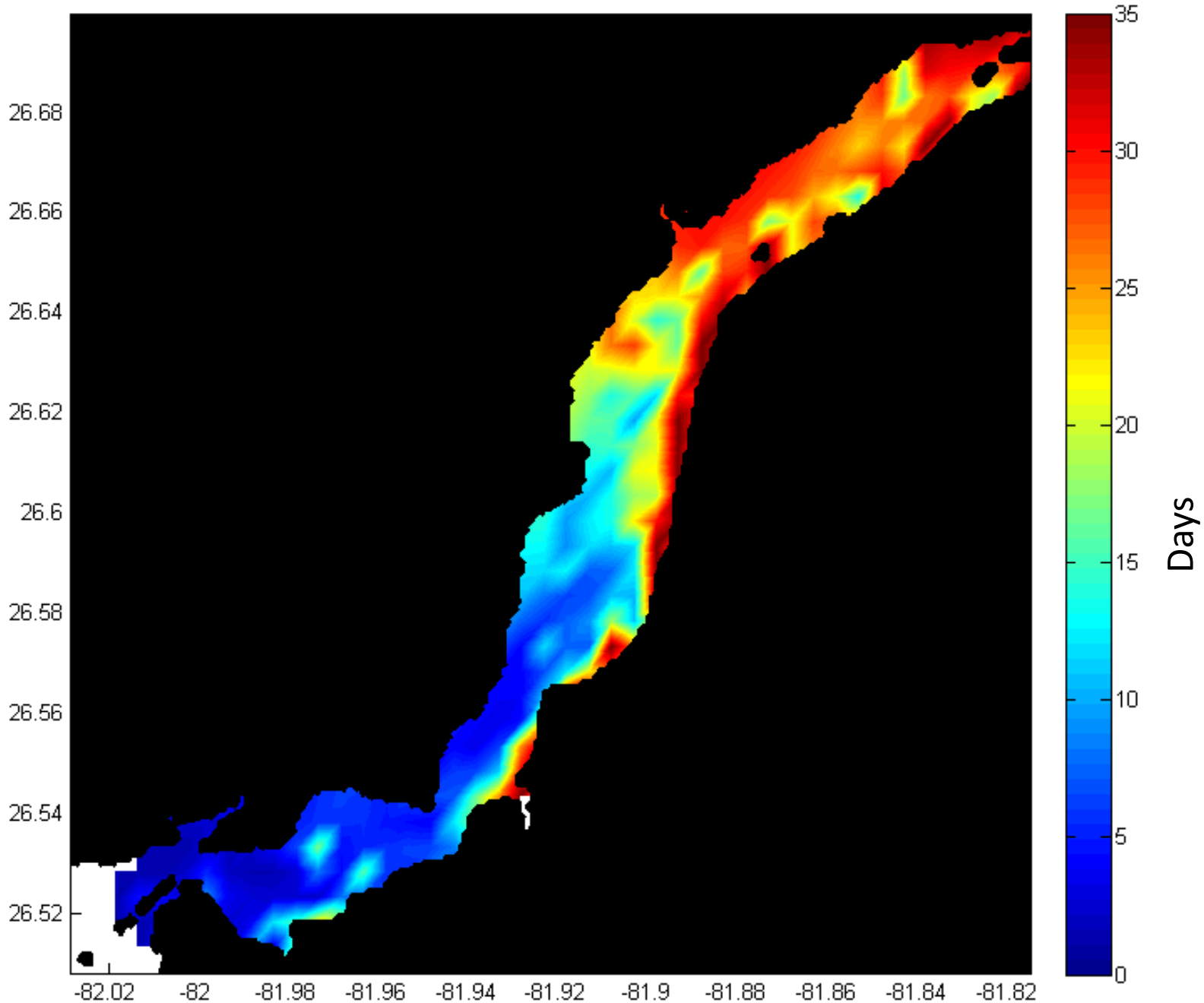

Fig. 7-34 Residence times of drifters in the Caloosahatchee R. during high discharge in August 2008 with observed winds.