

Swarm ABC, 12/2013-12/2020, QD latitude vs Day of the year

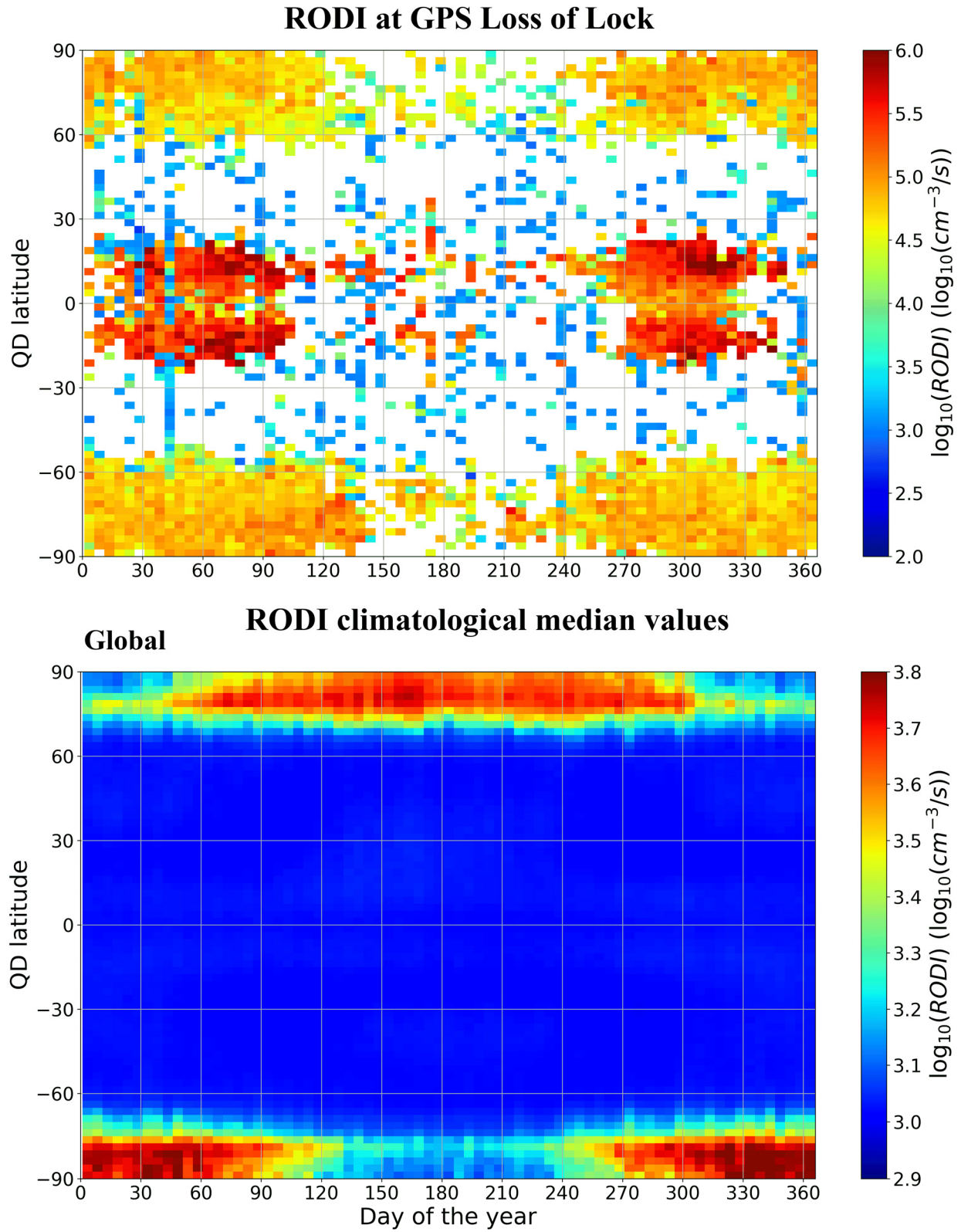


Figure S1. Same as Figure 4 but for RODI values at GPS loss of lock (top panel) and RODI climatological median values obtained for the period December 2013-December 2020 taking into account all RODI values and not only those corresponding to a LoL event (bottom panel).

Swarm ABC, 12/2013-12/2020, QD latitude vs MLT

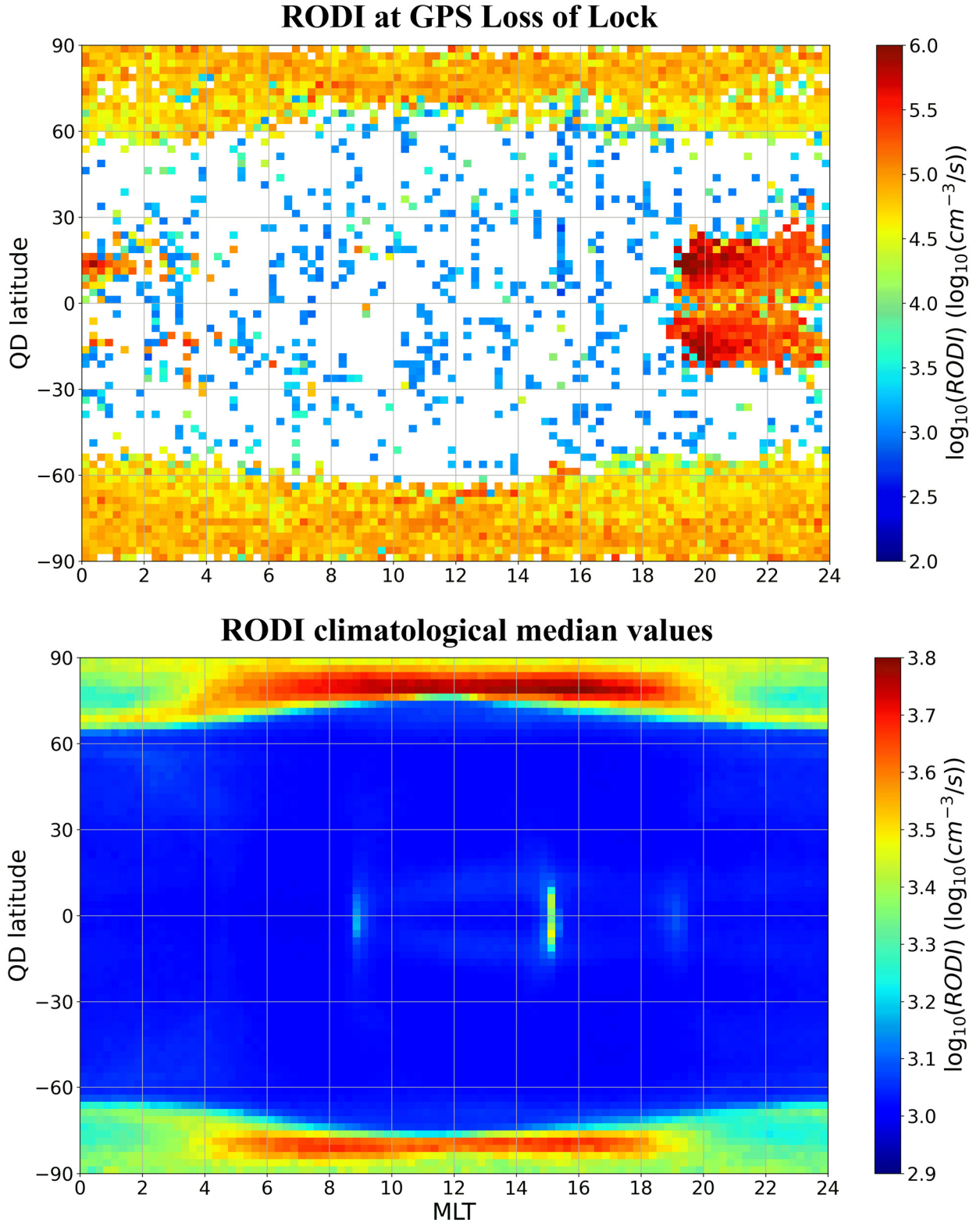


Figure S2. Same as top panel of Figure 5 but for RODI values at GPS loss of lock (top panel) and RODI climatological median values obtained for the period December 2013-December 2020 taking into account all RODI values and not only those corresponding to a LoL event (bottom panel).

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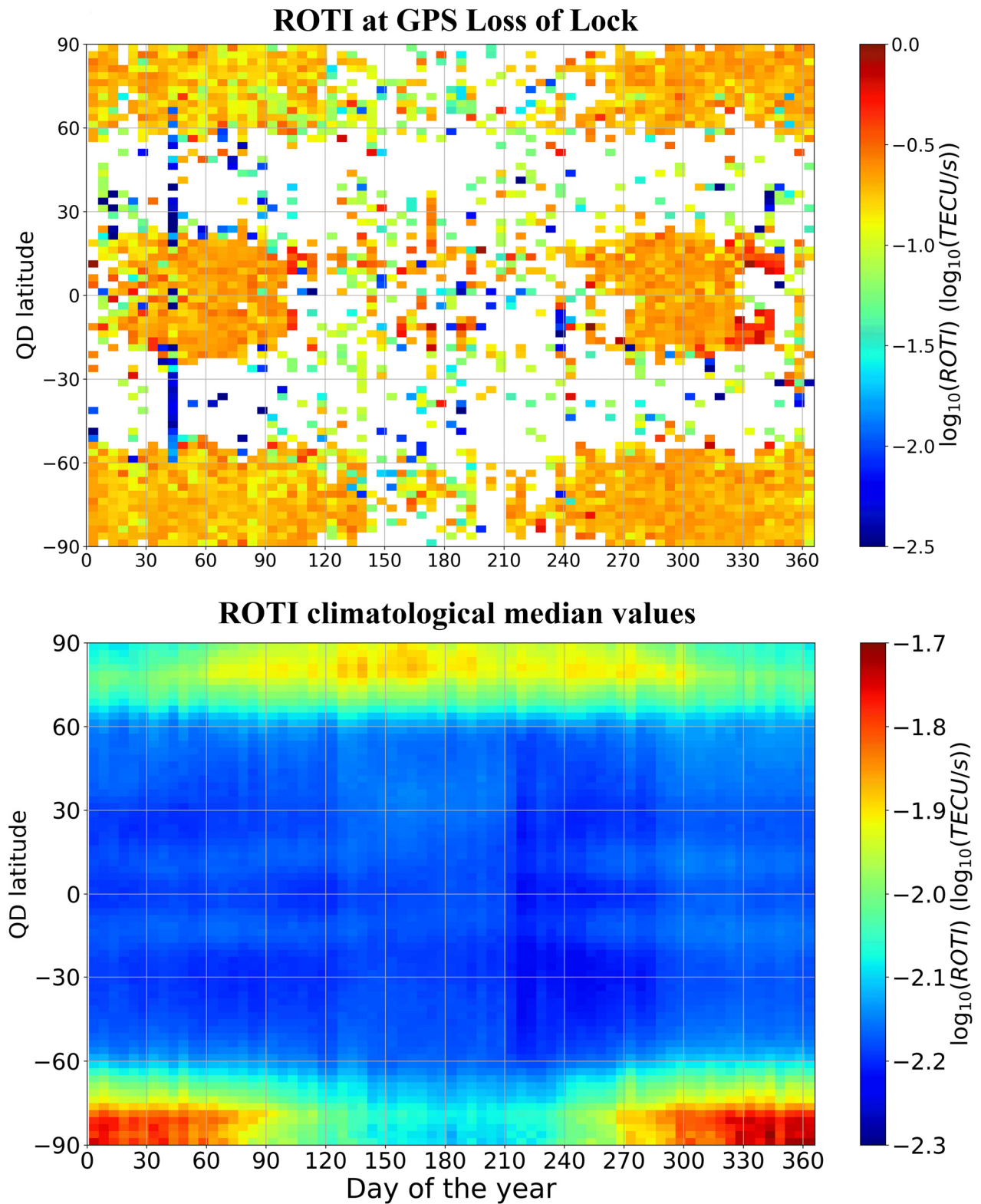


Figure S3. Same as Figure 4 but for ROTI values at GPS loss of lock (top panel) and ROTI climatological median values obtained for the period December 2013-December 2020 taking into account all ROTI values and not only those corresponding to a LoL event (bottom panel).

Swarm ABC, 12/2013-12/2020, QD latitude vs MLT

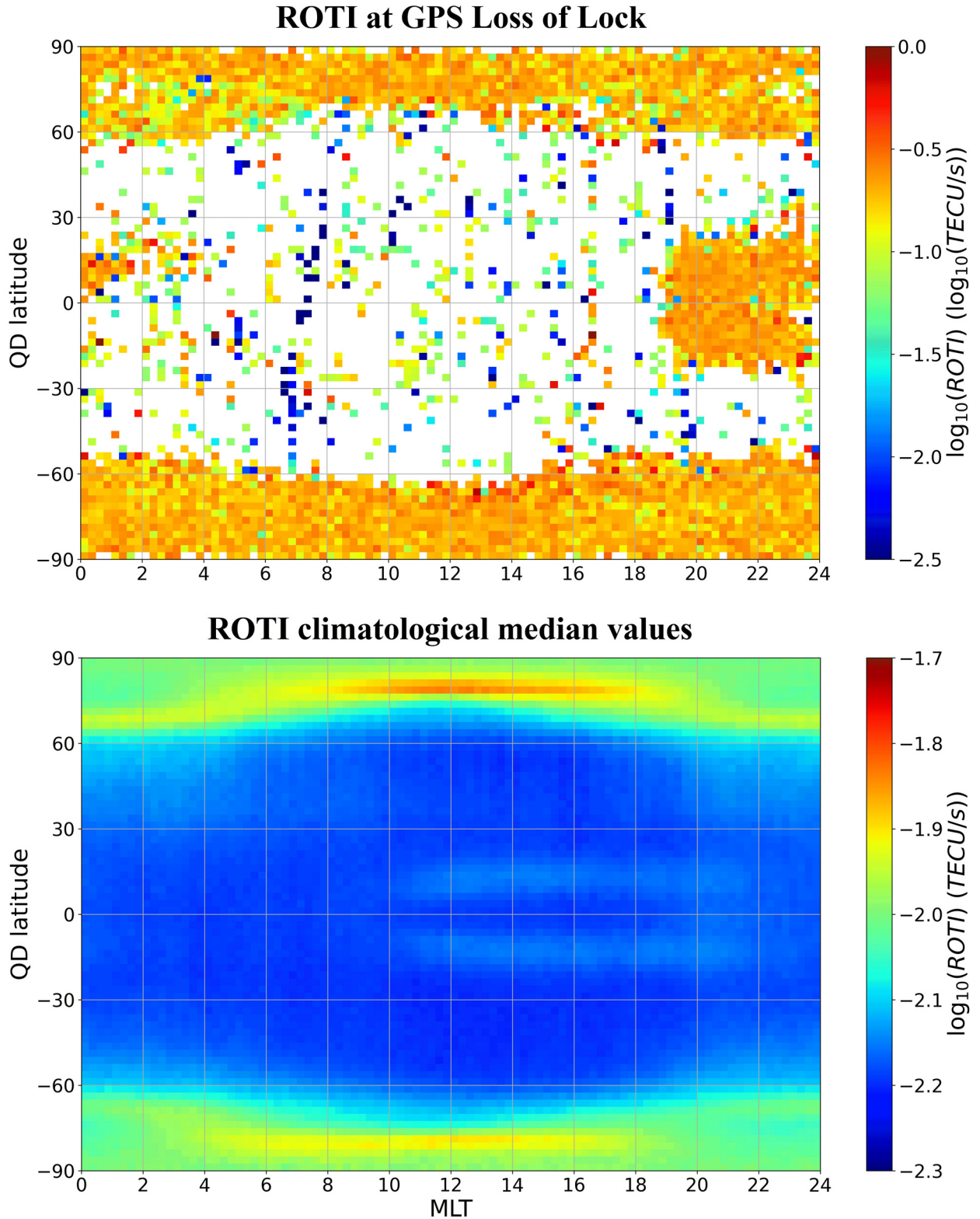


Figure S4. Same as top panel of Figure 5 but for ROTI values at GPS loss of lock (top panel) and ROTI climatological median values obtained for the period December 2013-December 2020 taking into account all ROTI values and not only those corresponding to a LoL event (bottom panel).

RODI at GPS Loss of Lock, Swarm ABC, 01/2014-12/2020, QD latitude vs Day of the year

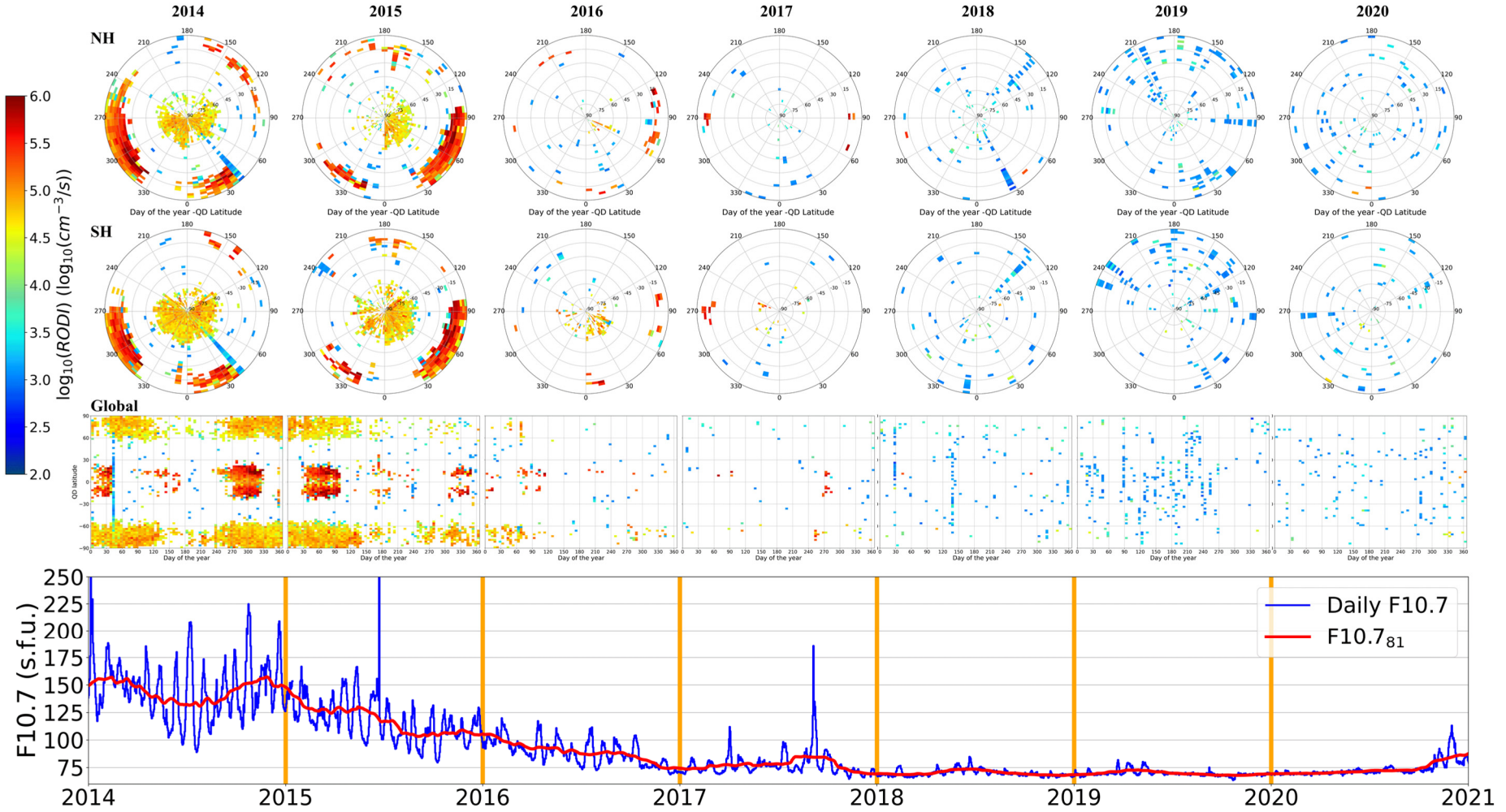


Figure S5. Same as Figure 7 but for RODI values at GPS loss of lock.

ROTI at GPS Loss of Lock, Swarm ABC, 01/2014-12/2020, QD latitude vs Day of the year

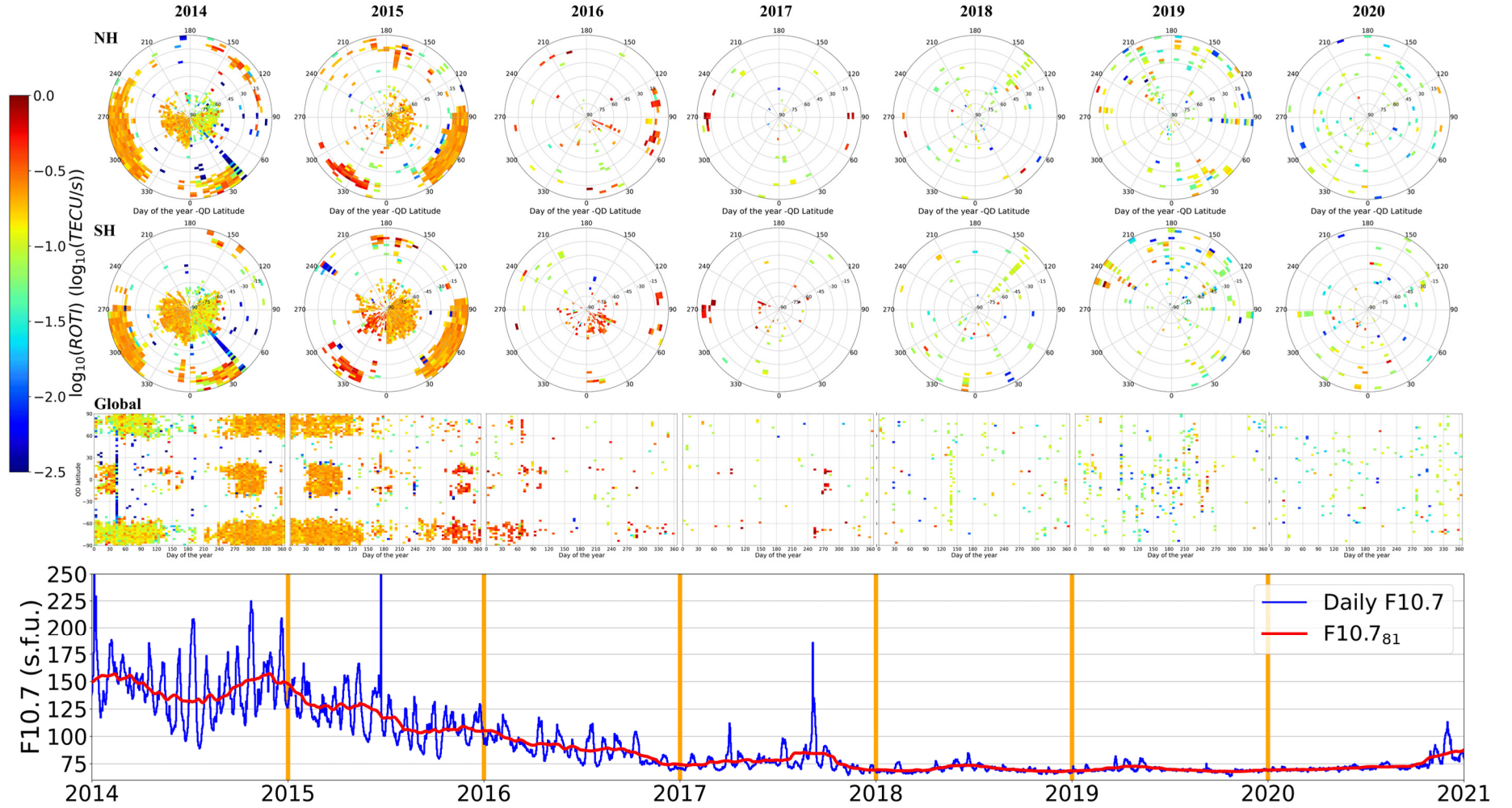


Figure S6. Same as Figure 7 but for ROTI values at GPS loss of lock.