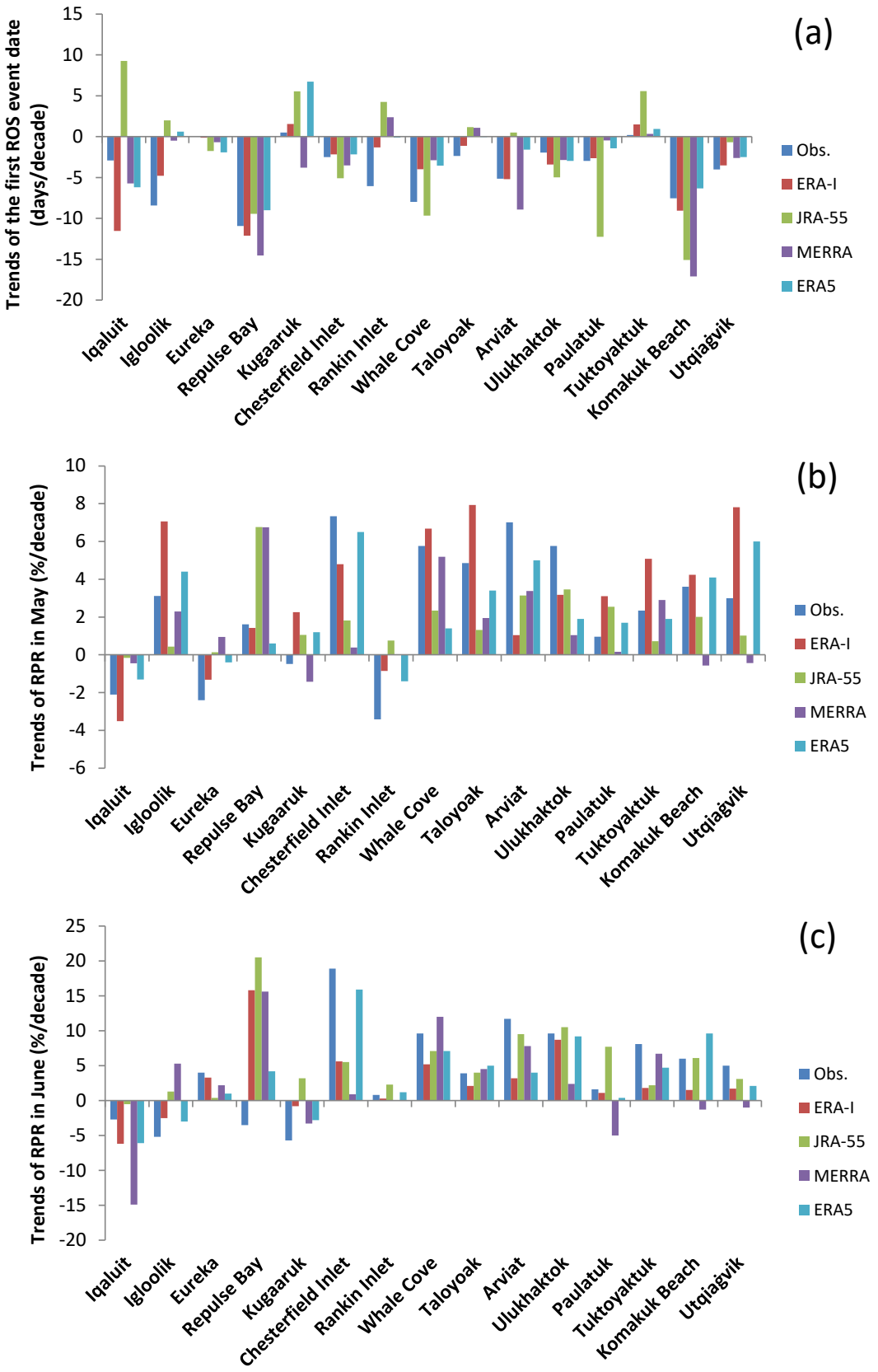
(a)
Trends of the first ROS event date (days/decade)
15
10
5
0
-5
-10
-15
-20
Obs.
ERA-I
JRA-55
MERRA
ERA5
Iqaluit
Igloolik
Eureka
Repulse Bay
Kugaaruk
Chesterfield Inlet
Rankin Inlet
Whale Cove
Taloyoak
Arviat
Ulukhaktok
Paulatuk
Tuktoyaktuk
Komakuk Beach
Utqiaġvik
(b)
Trends of RPR in May (%/decade)
10
8
6
4
2
0
-2
-4
-6
Obs.
ERA-I
JRA-55
MERRA
ERA5
Iqaluit
Igloolik
Eureka
Repulse Bay
Kugaaruk
Chesterfield Inlet
Rankin Inlet
Whale Cove
Taloyoak
Arviat
Ulukhaktok
Paulatuk
Tuktoyaktuk
Komakuk Beach
Utqiaġvik
(c)
Trends of RPR in June (%/decade)
25
20
15
10
5
0
-5
-10
-15
-20
Obs.
ERA-I
JRA-55
MERRA
ERA5
Iqaluit
Igloolik
Eureka
Repulse Bay
Kugaaruk
Chesterfield Inlet
Rankin Inlet
Whale Cove
Taloyoak
Arviat
Ulukhaktok
Paulatuk
Tuktoyaktuk
Komakuk Beach
Utqiaġvik