

MIMS現象数理カフェセミナー

日時: 2022年7月6日(水) (12:40 – 13:20)

場所: 8FラウンジとZoomのハイブリッド形式

Seasonal changes in diving and flying activities of rhinoceros auklets throughout the non-breeding period

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Abstract : To understand how migratory seabirds meet the energetic challenges associated with wing molt and wintering, a full annual cycle behavioral study is needed. We studied the diving and flying activities of three Rhinoceros Auklets *Cerorhinca monocerata* migrating in the northwestern Pacific. The auklets showed little flight time (<1 hr/day) for about 7 weeks in mid-August to September while they were in the Sea of Okhotsk, suggesting that they molted primary feathers during this period. During this molt period, daily dive times were shorter and maximum dive depth shallower, suggesting that the molt of primary feathers slightly compromised their diving ability. Dives occurred mostly between sunrise and sunset, and were deeper during winter (~81 m), when auklets were in the Sea of Japan. We suggest that Rhinoceros Auklets adjust their diving and flying behaviors in response to wing molt and energy demands in winter.



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