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## Monitoring Thin Sea Ice Polynyas Using

**sea ice monitoring by remote sensing - bora uib** - sea ice monitoring by remote sensing authors: stein sandven and ola m. johannessen 8.1 introduction 8.1.1 the role of sea ice in the climate and weather system sea ice is a part of the cryosphere that interacts continuously with the underlying oceans and the overlaying atmosphere. the growth and decay of sea ice occur on a seasonal cycle at the surface of the ocean at high latitudes. as much ... **sar measurement of sea ice parameters: sea ice session ...** - sar measurement of sea ice parameters: sea ice session overview paper robert a. shuchman(1), ... in differentiating the thin ice types. 1. introduction sea ice mapping has been significantly improved during the last decade by the introduction of high- resolution synthetic aperture radar (sar). operational sea ice monitoring as performed by the united states national ice center (nic), canadian ... **color composite of scansar and modis data for sea ice ...** - sea ice monitoring in the sea of okhotsk kohei cho, atsushi komaki, ... and the thin sea ice areas are appearing very dark in scansar images. as for the area c1 and c2, in the modis images, all ... **envisat asar ap data for operational sea ice monitoring** - that the open water / thin ice in the area is well identified. from the data set at hand, it cannot be shown that thin ice and open water can automatically be separated. **sea ice monitoring in the northern sea route by satellite ...** - sea ice monitoring in the northern sea route by satellite radar data ola m. johannessen, 1) stein sandven, 1) lasse h. pettersson, l) martin miles1), **sea ice remote sensing, thickness profiling, and ice and ...** - representative sea ice thickness distributions in storfjord and the barents sea, as well as in fram strait, and the validation of a range of different satellite remote sensing data. in storfjord and the barents sea, the data were acquired to obtain estimates of the ice **s. tietsche, m. a. balmaseda, h. zuo, p. de rosney ...** - formation that smos provides about thin sea ice, an operational diagnostic monitoring facility has been implemented into oras5, so that statistics of departures between the observed and modelled sea ice state can be routinely monitored, and can help to quantify the impact of thin sea ice on op- **on thin ice - panda** - summer sea ice is 30% less than it was at the beginning of the 1980se extent during winter has diminished by about 10% 1 . earlier break- up of the sea ice in spring results in restricted **p2.21 sea ice data derived from microwave radiometer for ...** - p2.21 sea ice data derived from microwave radiometer for climate monitoring takanori matsumoto climate prediction division, japan meteorological agency

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