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ECMWF/WCRP Level III-A Global Atmospheric Data Archive

Allowed Interaction With Model Generated Clouds And The Diurnal Radiative Cycle. Note That Before 1 May 1985 For The First Four Months Of The TOGA Period ECMWF Still Operated The T63 Model With 16 Levels In The Vertical. The Detailed Analysis And Model Changes Are Given In Part II. The Next Major Change In Model Jan 4th, 2024

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And The Carbon Cycle Main Components: • Production Of Coupled Reanalyses, For 20C And The Modern Era • Research And Development In Coupled Data

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Use Of Satellite Radiances In The 4D-VAR ECMWF System Graeme Kelly Contrubitions From (Jean-Noël Thépaut , Adrian Simmons, Sakari Uppala, Matthew ... 50,000 Observations/cycle DA 25,000 Observations/cycle DCDA: 70,000 Observations/cycle DA 50,000 Observations/cycle ... Carbon Cycle. CO2 Estimation One Year Of AIRS Radiances (Feb 03 To Mar 04 ... Mar 7th, 2024

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BUFR Reference Manual 1 Introduction The Bufr Reference Manual Is Compiled To Accompany Bufr User's Guide Manual. It Describes The Latest Bufr Tables And ECMWF Observation Types And Subtypes. For Each Subtype There Is A Template Describing The Ob-servation. 4 ECMWF Technical Notes Jan 16th, 2024

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Today, Global Weather Forecast Simulations Have $O(1,000,000,000)$ Degrees-of-freedom, Can Represent Many Details Of The Earth System, And Show A Breathtaking Level Of Complexity. They Are Based On Decades Of Model Developments And Process Understanding. May 10th, 2024

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