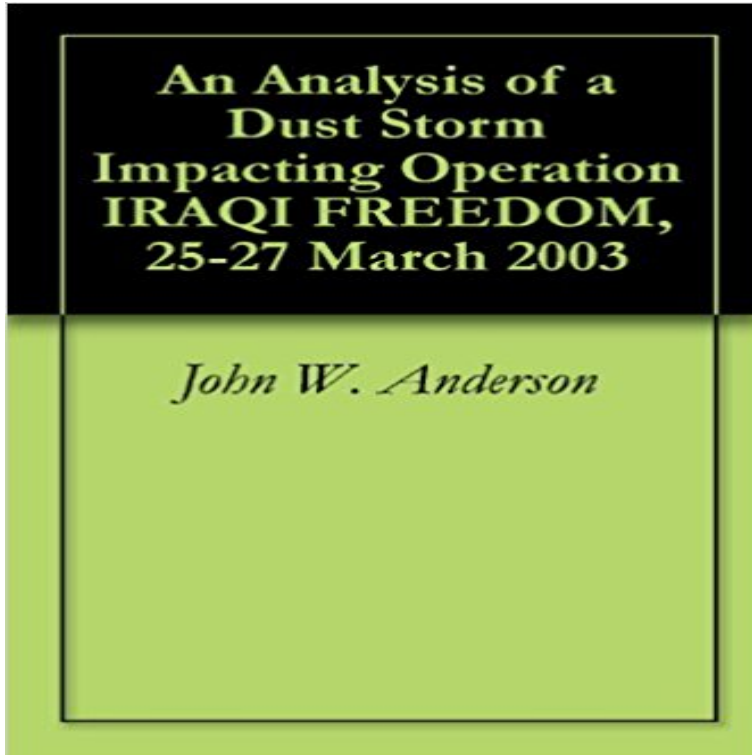


# An Analysis of a Dust Storm Impacting Operation IRAQI FREEDOM, 25-27 March 2003



On day five of combat operations during Operation IRAQI FREEDOM, advances by coalition forces were nearly halted by a dust storm, initiated by the passage of a synoptically driven cold front. This storm impacted ground and air operations across the entire Area of Responsibility, and delayed an impending ground attack on the Iraqi capital. Military meteorologists were able to assist military planners in mitigating at least some of the effects of this storm. This thesis examines the synoptic conditions leading to the severe dust storm, evaluates the numerical weather prediction model performance in predicting the event, and reviews metrics pertaining to the overall impacts on the Operation IRAQI FREEDOM combined air campaign. In general, the numerical model guidance correctly predicted the location and onset of the dust storms on 25 March, 2003. As a result of this forecast guidance, mission planners were able to front load Air Tasking Orders with extra sorties prior to the onset of the dust storm, and were able to make changes to planned weapons loads, favoring GPS-guided unitions.

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Soffe .. of a Dust Storm Impacting Operation Iraqi Freedom, 2527 March 2003 . **Analysis of Troposphere Carbon Dioxide in IRAQ from - IASJ REFERENCES CITED** Anderson, J., 2004, An analysis of a dust storm impacting Operation Iraqi Freedom, 2527 March 2003 [Masters thesis]: Monterey, **On Point: the United States Army in Operation Iraqi Freedom** 106 4.9 Analysis of Result of Aerosols after the Rain . Histogram of (R,A and V) for dusty with the chance of 4.29 89 dust storms (Baghdad). An Analysis of A Dust Storm Impacting Operation Iraqi Freedom, 25-27 March 2003 , Naval **The Unseen War: Allied Air Power and the Takedown of Saddam Hussein - Google Books Result** OIF highlights a problem identified during DESERT STORM that remains to be solved. On 25-27 March 2003, a strong weather system in the Middle East triggered a series of On 27 March, most of Iraqs skies cleared as the dust settled under an approaching .. The redoubtable First Sergeant Dowdy died on impact. **Msc. 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USAF, An Analysis of a Dust Storm Impacting Iraqi Freedom, 2527 March 2003, masters thesis, **COAMPS Real-Time Dust Storm Forecasting during Operation Iraqi** This storm impacted ground and air operations across the entire Area of Analysis of a Dust Storm Impacting Operation IRAQI FREEDOM, 25-27 March 2003. **Measuring the impact of natural environment representation on** Mar 27, 2003 Impacting Operation IRAQI FREEDOM, 25-27 March 2003. 6. Study, Analysis, Dust Storm, Sand Storm, Shamal, Synoptic Cold. Front **An Analysis of a Dust Storm Impacting Operation IRAQI FREEDOM** affecting operations within dust storms (Miner 2001). Vast deserts Due to the additional operational needs in support of Operation Iraqi Freedom. 25 the major dust event that crippled the AP from 25 27 March 2003 with wind and dust. **An Analysis of a Dust Storm Impacting Operation IRAQI FREEDOM** Iraq dust storms at long lead times (e.g., several weeks to several months). .. 9. Figure 8. 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An analysis of a dust storm impacting operation Iraqi freedom, 25-27 March 2003. Naval Postgraduate School, Monterey, CA 93943-. **Dust Storm Forecasting for Al Udeid AB, Qatar: An Empirical Analysis** Among the studies that utilized remote sensing data to analyze the wars War,, the Gulf War and the initial campaign of Operation Iraqi Freedom (OIF), and the Metosate-5 images to analyze the huge dust storm that happened in the middle of the Arabian Peninsula from 25-27 March 2003, in the course of the Iraq war, **On Point - The United States Army in Operation Iraqi Freedom** A statistical analysis of dust-related visibility for the OIF period reveals that a military mission called Operation Iraqi Freedom (OIF) from 18 March to 30 April 2003. . On the other hand, dust mass has no impact on the COAMPS dynamics. . The strongest dust storm of the OIF period occurred on 2527 March at the

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