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DR-468
October 1969

AD

METEOROLOGICAL DATA REPORT

NIKE-HYDAC STV-90
(24 September 1969)

BY

GORDON L. DUNAWAY

ATMOSPHERIC SCIENCES OFFICE
WHITE SANDS MISSILE RANGE, NEW MEXICO

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ABSTRACT

Meteorological data gathered for the launching of Nike-Hydac, STV-90 are presented for the Space and Missile Systems Organization, AFMDC, Holloman Air Force Base, New Mexico, and for ballistic studies. The data appear, along with calculated ballistic data, in tabular form.

PAYLOAD	254	Pounds
CORIOLIS DISPLACEMENT	4.0	Miles
SECOND-STAGE IGNITION	20.0	Seconds
	36,025	Feet MSL
PEAK	223.6	Seconds
	643,640	Feet MSL
UNIT WIND EFFECT	2.20	Miles/MPH
	2.30	Miles/MPH
TOWER TILT EFFECT	12.74	Miles/Degree

TABLE I. THEORETICAL ROCKET PERFORMANCE VALUES
NIKE-HYDAC STV-90

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Security Classification

14.	KEY WORDS	LINK A		LINK B		LINK C	
		ROLE	WT	ROLE	WT	ROLE	WT
	<ol style="list-style-type: none">1. Ballistics2. Meteorology3. Wind						

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