

HISTORIC AMERICAN ENGINEERING RECORD

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MARSHALL SPACE FLIGHT CENTER,
SATURN I PROPULSION AND STRUCTURAL TEST FACILITY
(Saturn I Static Test Stand)
(Marshall Space Flight Center,
Building Number 4572)
Redstone Arsenal
East Test Area
Huntsville Vicinity
Madison County
Alabama

AL-129-D

Photographs taken by Jet Lowe, Summer 1995

- AL-129-D-1 GENERAL VIEW LOOKING SOUTH AT THE SATURN I STATIC TEST STAND. NOTE THE FIRST STAGE OF THE SATURN I ROCKET ON DISPLAY TO THE LEFT OF THE TEST STAND.
- AL-129-D-2 CLOSE-UP VIEW LOOKING SOUTH AT THE SATURN I TEST STAND, NOTE THE INTERPRETIVE SIGN EXPLAINING THE HISTORIC NATURE OF THE SATURN I TEST STAND.
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- AL-129-D-5 VIEW LOOKING NORTH AWAY FROM THE SATURN I TEST STAND LOOKING AT THE OBSERVATION AND CONTROL BUNKER. NOTE THE SATURN V AND SATURN I STRUCTURAL TEST FACILITIES IN THE BACKGROUND.
- AL-129-D-6 CLOSE-UP VIEW OF THE FIRST STAGE OF THE SATURN I ROCKET, SHOWING A DETAIL VIEW OF THE ENGINE CLUSTER. THE SATURN I ROCKET WAS THE FIRST UNITED STATES ROCKET TO HAVE MULTIPLE ENGINES ON A SINGLE STAGE.

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Jet Lowe, Photographer, June 1996.

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Historic Photographs AL-129-D-30 through AL-129-D-40: Date, Photographer and the source of the photographs, if known, are noted in the captions.

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- AL-129-D-30 SKETCH OF THE PROPOSED TEST STAND FOR THE ORDNANCE GUIDED MISSILE CENTER AT REDSTONE ARSENAL (PRE-DATING NASA). JUNE, 1951, HANS LUEHRSEN COLLECTION, MSFC MASTER PLANNING OFFICE.
- AL-129-D-31 VIEW LOOKING EAST DOWN THE FLAME TRENCH OF THE STATIC TEST TOWER AS A JUPITER ROCKET IS BEING HOISTED INTO POSITION. DATE AND PHOTOGRAPHER UNKNOWN, MSFC PHOTO LAB.
- AL-129-D-32 VIEW LOOKING EAST AT THE STATIC TEST TOWER WHILE A JUPITER MISSILE IS BEING POSITIONED ONTO THE TEST TOWER. DATE AND PHOTOGRAPHER UNKNOWN, MSFC PHOTO LAB.
- AL-129-D-33 VIEW LOOKING SOUTH AT THE STATIC TEST TOWER DURING A TEST OF THE PROPULSION SYSTEM OF A JUPITER MISSILE. DATE AND PHOTOGRAPHER UNKNOWN. FRED ORDWAY COLLECTION, U.S. SPACE AND ROCKET CENTER, HUNTSVILLE, AL.
- AL-129-D-34 VIEW LOOKING NORTHEAST AT THE STATIC TEST TOWER. MODIFICATIONS TO THE EAST SIDE OF THE TOWER ARE NEARING COMPLETION. NOTE THAT THE HORIZON HAS BEEN MODIFIED TO DISGUISE THE LOCATION. 1959, PHOTOGRAPHER UNKNOWN, MSFC PHOTO LAB.
- AL-129-D-35 VIEW LOOKING NORTHWEST AT THE STATIC TEST TOWER. A "DUMMY" SATURN I BOOSTER IS BEING HOISTED INTO THE TEST STAND TO TEST THE MATING OF THE BOOSTER AND THE TEST STAND. EARLY 1960, PHOTOGRAPHER UNKNOWN, MSFC PHOTO LAB.
- AL-129-D-36 VIEW LOOKING SOUTHWEST AT THE STATIC TEST TOWER DURING THE FIRST 8-ENGINE (FULL ENGINE ASSEMBLY) STATIC FIRING IN THE TEST STAND. MAY 1960, PHOTOGRAPHER UNKNOWN, MSFC PHOTO LAB.
- AL-129-D-37 VIEW LOOKING SOUTH AT THE STATIC TEST TOWER. THIS VIEW SHOWS TWO MAJOR CHANGES TO THE STATIC TEST TOWER: THE ADDITION OF THE NASA LOGO TO THE FACADE AND THE ADDITION OF THE UPPER STAGES TO THE JUPITER MISSILE IN THE WEST POSITION ON THE TOWER TO REPRESENT THE JUNO II CONFIGURATION. 1961, PHOTOGRAPHER UNKNOWN, FRED ORDWAY COLLECTION, U.S. SPACE AND ROCKET CENTER, HUNTSVILLE, AL.

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- AL-129-D-38 VIEW LOOKING SOUTHWEST AT THE STATIC TEST TOWER DURING A FIRING OF A SATURN I BOOSTER. FEBRUARY 1961, PHOTOGRAPHER UNKNOWN, MSFC PHOTO LAB.
- AL-129-D-39 VIEW OF CHRYSLER WORKERS LOADING A SATURN IB BOOSTER INTO THE EAST POSITION ON THE STATIC TEST TOWER. AS THE MAIN CONTRACTOR OF THE SATURN IB BOOSTER, CHRYSLER TOOK OVER OPERATIONS OF THE EAST POSITION OF THE STATIC TEST TOWER IN 1963. THAT SAME YEAR, THE WEST POSITION OF THE TEST TOWER WAS MODIFIED (AS SEEN IN THE PHOTO) FOR RESEARCH AND DEVELOPMENT TESTS OF THE SATURN V BOOSTER'S ENGINE, THE F-1. MARCH 1963, MSFC PHOTO LAB.
- AL-129-D-40 VIEW LOOKING SOUTH AT THE STATIC TEST STAND DURING A TEST OF AN F-1 ENGINE. DATE AND PHOTOGRAPHER UNKNOWN, MSFC PHOTO LAB.

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All color xeroxes were made from a duplicate color transparency.

- AL-129-D-41(CT) STATIC TEST TOWER - VIEW LOOKING DOWN FROM REMOVABLE WALKWAY LEVEL - LOOKING AT TEST CELLS AND GRILL OVER FLAME DEFLECTOR.

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Jet Lowe, photographer, August 2009

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8" x 10" Large-Format view looking Southeast at the front elevation of the Saturn Propulsion and Structural test facility.