

First Regular Session
Seventy-first General Assembly
STATE OF COLORADO

ENGROSSED

LLS NO. R17-0810.01 Erin Enders x3205

SJR17-019

SENATE SPONSORSHIP

Baumgardner and Todd,

HOUSE SPONSORSHIP

Rankin and Rosenthal,

Senate Committees

House Committees

SENATE JOINT RESOLUTION 17-019

101 CONCERNING THE DESIGNATION OF MARCH 20, 2017, AS "COLORADO
102 AEROSPACE DAY".

1 WHEREAS, Our nation and the world have significantly
2 benefitted from technological and scientific advances resulting from
3 space exploration and aerospace activities; and

4 WHEREAS, Colorado is the second-largest state in the country for
5 private aerospace employment; 25,500 Coloradans are directly employed
6 in aerospace, with a payroll exceeding \$3.4 billion, and Colorado's
7 aerospace cluster supports more than 188,000 jobs; and

8 WHEREAS, Colorado is home to the nation's top aerospace
9 companies, including Ball Aerospace, Boeing, DigitalGlobe, Harris
10 Corporation, Lockheed Martin Space Systems, Northrop Grumman,

Shading denotes HOUSE amendment. Double underlining denotes SENATE amendment.
Capital letters indicate new material to be added to existing statute.
Dashes through the words indicate deletions from existing statute.

SENATE
Final Reading
March 20, 2017

1 Raytheon, Sierra Nevada Corporation, Teledyne Brown Engineering, and
2 United Launch Alliance; and close to 500 additional companies that
3 support the aerospace sector by developing products, including
4 spacecraft, launch vehicles, satellites, command and control software,
5 sensors, and navigation operations; and

6 WHEREAS, The United States Air Force Academy, along with
7 Colorado's colleges and universities, including the University of Colorado
8 Boulder and University of Colorado Colorado Springs, Colorado School
9 of Mines, Colorado State University, Metropolitan State University of
10 Denver, University of Denver, Colorado Mesa University, and Fort Lewis
11 College provide access to world-class aerospace-related degrees and offer
12 aerospace companies one of the country's most educated workforces; and

13 WHEREAS, Colorado is the home of the Laboratory for
14 Atmospheric and Space Physics (LASP) at the University of Colorado
15 Boulder that began in 1948, a decade before NASA, and is the world's
16 only research institute to have sent instruments to all eight planets and
17 Pluto and combines all aspects of space exploration through science,
18 engineering, mission operations, and scientific data analysis; and

19 WHEREAS, Colorado is home to NOAA's Space Weather
20 Prediction Center, a world-leading center of predictions of the solar and
21 near-Earth space environment and the nation's official source of watches,
22 warnings, and alerts of incoming solar storms, using satellite observations
23 to protect and save lives and property; and

24 WHEREAS, Colorado is a strategic location for national space and
25 cyber activity, with five key military commands--North American
26 Aerospace Defense Command (NORAD), the United States Northern
27 Command (USNORTHCOM), the U.S. Strategic Command's Joint
28 Functional Component Command for Space (JFCC-Space) Missile
29 Warning Center, the United States Air Force Space Command, and the
30 U.S. Army Space and Missile Defense Command/Army Forces Strategic
31 Command and three space-related United States Air Force
32 bases--Buckley, Peterson, and Schriever; and

33 WHEREAS, The 460th Space Wing at Buckley Air Force Base,
34 located in Aurora, provides operational command and control of three
35 constellations of space-based infrared missile warning systems, has been
36 defending America continuously since 1970, and is a critical part of
37 global defense and national security; and

1 WHEREAS, Colorado is uniting global partners around the world
2 to ensure space access for developing nations via the first planned United
3 Nations space mission--Sierra Nevada Corporation located in Louisville,
4 Colorado, together with the United Nations Office of Outer Space
5 Affairs, will use its Dream Chaser spacecraft to allow developing
6 countries the opportunity to develop and fly microgravity payloads for an
7 extended duration in orbit; and

8 WHEREAS, Colorado leads the charge in bringing current and
9 future GPS assets to life, a service provided free to the world by Air
10 Force Space Command in Colorado Springs; and

11 WHEREAS, From the operation of GPS satellites by Schriever Air
12 Force Base, to GPS III, the most powerful GPS satellite to date being
13 designed and built by Lockheed Martin and launched by United Launch
14 Alliance with Raytheon developing the command and control capabilities,
15 and companies such as Boeing, Harris Corporation, Braxton
16 Technologies, and Infinity Systems Engineering also supporting GPS
17 development and operations from locations in Colorado, Colorado's GPS
18 technologies enable an integral part of our global economy to have an
19 incalculable impact that has improved the everyday lives of billions of
20 people around the world; and

21 WHEREAS, Various organizations are key to Colorado's
22 prominence in aerospace, such as the Colorado Space Coalition (CSC),
23 a group of industry stakeholders working to make Colorado a center of
24 excellence for aerospace; the Colorado Space Business Roundtable,
25 working to bring together aerospace stakeholders from the industry,
26 government, and academia for roundtable discussions and business
27 development and to encourage grassroots citizen participation in
28 aerospace issues; the Colorado Chapter of Citizens for Space Exploration,
29 whose mission is to promote better understanding of aerospace and its
30 importance in our economy and daily lives as well as promoting the
31 importance of human space exploration; and Manufacturer's Edge, a
32 statewide manufacturing assistance center that encourages the strength
33 and competitiveness of Colorado manufacturers by providing on-site
34 technical assistance through coaching, training, and consulting and
35 collaboration-focused industry programs and leveraging government,
36 university, and economic development partnerships; now, therefore,

37 *Be It Resolved by the Senate of the Seventieth-first General*
38 *Assembly of the State of Colorado, the House of Representatives*

1 *concurring herein:*

2 That we, the members of the Colorado General Assembly:

3 (1) Strongly urge and request the government of the United States
4 of America to take action to preserve and enhance United States
5 leadership in space, spur innovation, and ensure our continued national
6 and economic security by increasing funding for space exploration and
7 activities, including regaining the ability of the United States to deliver
8 astronauts to low earth orbit in the next few years; to commit to sending
9 astronauts to the moon, asteroids, and beyond within this decade; and to
10 aggressively pursue NASA's Orion spacecraft and Space Launch System
11 to get astronauts to Mars orbit by 2028 and boots on the ground by 2033;

12 (2) Recognize and appreciate Colorado's space and aerospace
13 companies and organizations, especially the growing membership and
14 activities of the Colorado Chapter of Citizens for Space Exploration,
15 whose activities to promote space exploration are helping to increase
16 public understanding and enthusiasm for exploration funding;

17 (3) Recognize and appreciate the contributions of Colorado's
18 universities, colleges, and national research laboratories to the space and
19 aerospace industries, including their expertise in exploration of the
20 planets and the universe and space-based Earth observation;

21 (4) Express our most sincere and deepest appreciation to the men
22 and women working in and supporting military and civilian aerospace
23 companies and organizations in Colorado; and

24 (5) Hereby declare March 20, 2017, to be "Colorado Aerospace
25 Day".

26 *Be It Further Resolved,* That copies of this Joint Resolution be sent
27 to President Donald Trump; Vice President Mike Pence; Speaker Paul D.
28 Ryan; House Minority Leader Nancy Pelosi; Senate Majority Leader
29 Mitch McConnell; Senate Minority Leader Charles Schumer; Senator
30 Cory Gardner; Senator Michael Bennet; Congresswoman Diana DeGette;
31 Congressman Jared Polis; Congressman Scott Tipton; Congressman Ken
32 Buck; Congressman Doug Lamborn; Congressman Mike Coffman;
33 Congressman Ed Perlmutter; Robert Lightfoot, Acting NASA
34 Administrator; Lesa Roe, Acting NASA Deputy Administrator; Mr.
35 Michael P. Huerta, Federal Aviation Administration Administrator;

1 Governor John Hickenlooper; Lieutenant Governor Donna Lynne; Major
2 General H. Michael Edwards, Adjutant General, Colorado National
3 Guard; Dr. George C. Nield, Associate Administrator for Commercial
4 Space Transportation at the Federal Aviation Administration; General
5 John Raymond, Air Force Space Commander; Colonel Dan Wright,
6 USAF, Commander Aerospace Data Facility-Colorado; Betty Sapp,
7 Director, National Reconnaissance Office; Charles Huettner, Executive
8 Director, Aerospace States Association; Lieutenant Colonel Shelli
9 Brunswick, Acting Chief Executive Officer, Space Foundation; Major
10 General (Retired) Andy Love, Co-Chair, Colorado Space Coalition; Tom
11 Marsh, Co-Chair, Colorado Space Coalition; Rick Ward, Chair, Colorado
12 Space Business Roundtable; and Stacey DeFore, Chair, Colorado Citizens
13 for Space Exploration.