

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
VANCE BRAND	KLMO	LONGMONT	CO	2	3 DECEMBER 2020

**TAKEOFF MINIMUMS:**

**RWY 11:** STANDARD.

**RWY 29:** STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 7000 OR 7300 AND 3 FOR VCOA.

**TEXTUAL DEPARTURE PROCEDURES:**

**RWY 11:** CLIMBING LEFT TURN HEADING 022 TO INTERCEPT GLL VOR/DME R-221 TO 7000...

**RWY 29:** CLIMBING RIGHT TURN HEADING 063 TO INTERCEPT GLL VOR/DME R-221 TO 7000...

... ALL AIRCRAFT PROCEED ON GLL VOR/DME R-221 TO GLL VOR/DME. CROSS GLL VOR/DME AT OR ABOVE THE MEA/MCA FOR THE ROUTE OF FLIGHT.

**VISUAL CLIMB OVER AIRPORT:**

**RWY 29:** OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS VANCE BRAND AT OR ABOVE 12200 BEFORE PROCEEDING ON COURSE.

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 11:** SIGN 21 FT FROM DER, 204 FT LEFT OF CENTERLINE, 2 FT AGL/5032 FT MSL. TRAVERSE\_WAY 203 FT FROM DER, 470 FT LEFT OF CENTERLINE, 5041 FT MSL. TREE 311 FT FROM DER, 518 FT LEFT OF CENTERLINE, 5042 FT MSL. TREE, BUILDING BEGINNING 674 FT FROM DER, 528 FT RIGHT OF CENTERLINE, UP TO 5059 FT MSL. TREE, POLE BEGINNING 842 FT FROM DER, 577 FT RIGHT OF CENTERLINE, UP TO 5062 FT MSL. TREE 1812 FT FROM DER, 683 FT LEFT OF CENTERLINE, 5077 FT MSL.

**NOTE: RWY 29:** TERRAIN 12 FT FROM DER, 227 FT LEFT OF CENTERLINE, 5056 FT MSL. TREE 54 FT FROM DER, 320 FT RIGHT OF CENTERLINE, 5058 FT MSL. TREE 82 FT FROM DER, 154 FT LEFT OF CENTERLINE, 5071 FT MSL. TREES BEGINNING 92 FT FROM DER, 112 FT LEFT OF CENTERLINE, UP TO 23 FT AGL/5082 FT MSL. TREE 1056 FT FROM DER, 248 FT RIGHT OF CENTERLINE, 5093 FT MSL. TREES BEGINNING 1088 FT FROM DER, 371 FT RIGHT OF CENTERLINE, UP TO 77 FT AGL/5139 FT MSL. TREES BEGINNING 1203 FT FROM DER, 20 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/5144 FT MSL. TREE 1633 FT FROM DER, 612 FT LEFT OF CENTERLINE, 5102 FT MSL. TREES BEGINNING 1757 FT FROM DER, 554 FT LEFT OF CENTERLINE, UP TO 5126 FT MSL. TREE 2095 FT FROM DER, 176 FT LEFT OF CENTERLINE, 5127 FT MSL. TREE 2518 FT FROM DER, 773 FT RIGHT OF CENTERLINE, 5149 FT MSL. TREES BEGINNING 2571 FT FROM DER, 931 FT RIGHT OF CENTERLINE, UP TO 5152 FT MSL. TREE 3783 FT FROM DER, 1316 FT RIGHT OF CENTERLINE, 5168 FT MSL. TREE 3823 FT FROM DER, 1519 FT RIGHT OF CENTERLINE, 5176 FT MSL. TREES BEGINNING 4106 FT FROM DER, 979 FT RIGHT OF CENTERLINE, UP TO 5177 FT MSL. TREES BEGINNING 4465 FT FROM DER, 1120 FT RIGHT OF CENTERLINE, UP TO 5196 FT MSL. TREES BEGINNING 4519 FT FROM DER, 714 FT RIGHT OF CENTERLINE, UP TO 93 FT AGL/5198 FT MSL. TREE 5482 FT FROM DER, 276 FT LEFT OF CENTERLINE, 5198 FT MSL.

**CONTROLLING OBSTACLES:**

**RWY 29:** 6179 FT MSL AAO 401357.20N/1051150.87W.

**OBSTACLES MANDATING ROUTE DEVELOPMENT:**

**RWY 11:** 13575 FT MSL AAO 393327.70N/1053613.80W.

**RWY 29:** 14459 FT MSL AAO 401511.20N/1053651.40W.

**RWY 29 (VCOA):** VISUAL CLIMB AREA OBSTACLE: 6206 FT MSL AAO 401409.69N/1051150.91W.

OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE: 14459 FT MSL AAO 401511.20N/1053651.40W.

**REMARKS:**

<b>FLIGHT INSPECTED BY</b>	<i>Digitally signed by</i> <b>JOHN BORDY</b> Oct 16, 2020	<b>OFFICE</b>	<b>DATE</b>	
BRYAN VEIT		FICO	10/08/2020	
<b>DEVELOPED BY</b>	<i>Digitally signed by</i> <b>JOHN BORDY</b> Oct 16, 2020	<b>OFFICE</b>	<b>DATE</b>	
AUSTIN GOTCHER		AJV-A422	02/11/2020	
<b>APPROVED BY</b>	<i>Digitally signed by</i> <b>JOHN BORDY</b> Oct 16, 2020	<b>OFFICE</b>	<b>DATE</b>	<b>TITLE</b>
MARLON ROBINSON		AJV-A420		MANAGER

**REQUIRED EFFECTIVE DATE:**

ROUTINE



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>EFFECTIVE DATE</u>
VANCE BRAND	KLMO	LONGMONT	CO	2	3 DECEMBER 2020

**COORDINATED WITH:**

A4A  ALPA  AOPA  APA  HAI  NBAA  OTHER:

**CHANGES - REASONS:**

1. TAKEOFF MINIMUMS RWY 29 CHANGED FROM STANDARD TO STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 7000 OR 7300 AND 3 FOR VCOA. - NEW EVALUATION.
2. RWY 11 TEXTUAL DEPARTURE PROCEDURES CHANGED FROM 'CLIMBING LEFT TURN TO INTERCEPT GLL VOR/DME R-221 TO 7000' TO 'CLIMBING LEFT TURN HEADING 022 TO INTERCEPT GLL VOR/DME R-221 TO 7000.' - IAW 8260.46G APPENDIX D, SECTION1, PARA 8.
3. RWY 29 TEXTUAL DEPARTURE PROCEDURES CHANGED FROM 'CLIMBING RIGHT TURN TO INTERCEPT GLL VOR/DME R-221 TO 7000' TO 'CLIMBING RIGHT TURN HEADING 063 TO INTERCEPT GLL VOR/DME R-221 TO 7000.' - IAW 8260.46G APPENDIX D, SECTION1, PARA 8.
4. UPDATED TAKEOFF OBSTACLE NOTES - NEW SURVEYED OBSTACLES.
5. ADDED VCOA DUE TO PENETRATION OUTSIDE THE ICA FOR RWY 29. - IAW 8260.46G TABLE 2-1-1.

