

## **Non-Interference Compliance**

Regarding Facility id 152263

Channel 289

### **Description of Exhibit 13 Contents**

This exhibit demonstrates that the proposed facility complies with contour overlap and interference protection provisions in all of the applicable rule sections and that this application for a construction permit is in full compliance with 47 C.F.R. § 74.1204.

**Let it be noted that should any actual real world interference occur, the applicant acknowledges that it will promptly suspend operation of this translator in accordance with 47 C.F.R. § 74.1203.**

Page 2 of this exhibit is an explanation of the method used to demonstrate compliance with contour overlap and interference provisions based on 47 C.F.R. § 74.1204(d), which states:

*[A]n application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to intervening terrain, lack of population or such other factors as may be applicable.*

Page 3 of this exhibit contains the tabulated data from the interference analysis, which shows all stations whose protected contours come within 50 km of the 34 dBμ F(50,10) contour of the proposed translator. These tabulated values were calculated using data from the FCC's CDBS files and 30 arc second terrain data. The column labeled "Adj" shows the number of channels difference between the entry and the proposed translator. The column labeled "Dist" shows the distance in km. The column labeled "Overlap" shows the area of contour overlap in square kilometers.

Page 4 of this exhibit is a portion of a USGS 1:24,000 scale 7.5 minute quadrangle at full scale with the calculated area of interference overlaid. The sheet includes the quadrangle name and measurement scale at the bottom-left corner (note: "Mt" refers to meters). The area of interference was calculated using the free space equation and 120 radials.

Page 5 of this exhibit is an aerial photo of the vicinity surrounding the proposed translator's tower site.

**Note: The zone of predicted interference extends 1.3m from the base of the tower. There are no major roads or buildings within this zone so a lack of population has been demonstrated within the area of interference and this application is therefore in full compliance with 47 C.F.R. § 74.1204.**

### Compliance with 47 C.F.R. § 74.1204(d)

All authorized second and third adjacent stations with which the proposed translator has contour overlap are tabulated below. Column four show the station's signal level at the proposed translator's tower site, and column five gives the minimum value within the entire standard interfering contour of the proposed translator (100 dBμ for most classes, 94 for class B, 97 for class B1). The minimum second or third adjacent F(50,50) contour within the proposed translator's standard interfering contour was used to calculate the proposed translator's actual "worst-case" interfering contour.

Application_id	File Number	Callsign	Contour at Tower	Min. Contour
1305269	BMLH20090514AAR	WWL-FM	124.8	118.2
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				<b>118.2</b>

FCC 02-244 at Section II.A.5 states that "when demonstrating that 'no actual interference will occur due to . . . other factors,' pursuant to Section 74.1204(d), an applicant may use the undesired-to-desired signal ratio method." The undesired-to-desired ratio for second and third adjacent stations required by § 74.1204(a) is 40 dB. Since the minimum protected contour strength within the proposed translator's standard interference contour is **118.2 dBμ**, this makes the proposed translator's worst-case interfering contour **158.2 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **1.3 m** from the transmit antenna.

The interfering contour of the proposed translator was calculated for 120 radials and plotted on the pertinent portion of a USGS quadrangle (page 4 of this exhibit). As demonstrated on the quadrangle, there are no populated structures or highways within the area of interference (Note: FCC 02-244 at Section II.A.6 states that USGS quadrangles "have been recognized as acceptable to demonstrate lack of population").

**Note: The zone of predicted interference extends 1.3m from the base of the tower. There are no major roads or buildings within this zone so a lack of population has been demonstrated within the area of interference and this application is therefore in full compliance with 47 C.F.R. § 74.1204.**

<b>Antenna Manufacturer:</b>	<b>ERI</b>
<b>Antenna Model:</b>	<b>100-A-2F</b>
<b>CORAGL:</b>	<b>274 m</b>
<b>Maximum ERP:</b>	<b>0.21 kW</b>
<b>Interfering Contour:</b>	<b>158.2 dBμ</b>
<b>Max Int. Contour Distance:</b>	<b>1.3 m</b>

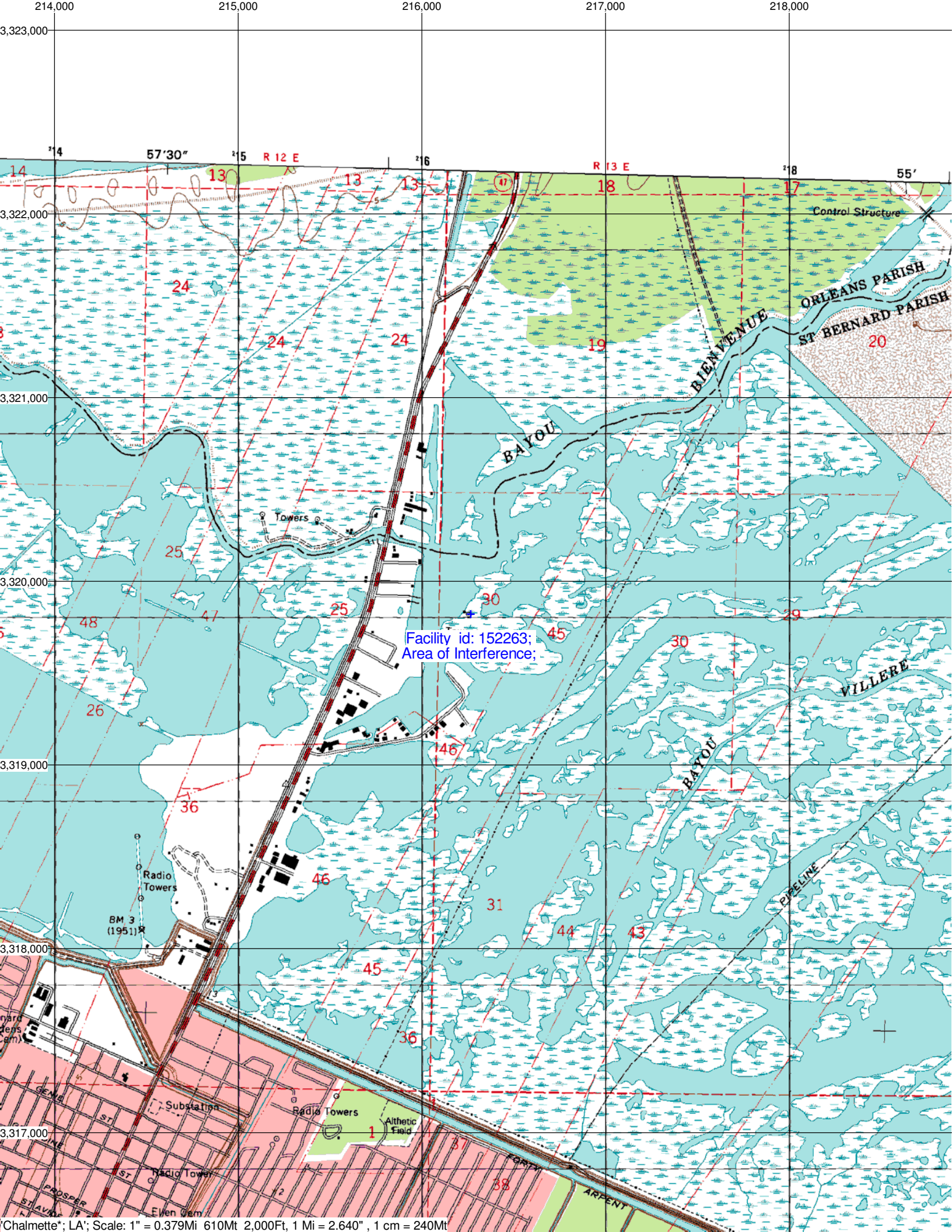
# **Adjacent Channel Study** **For Station K289AM, Facility\_id: 152263**

## **Co-channel through third adjacent:**

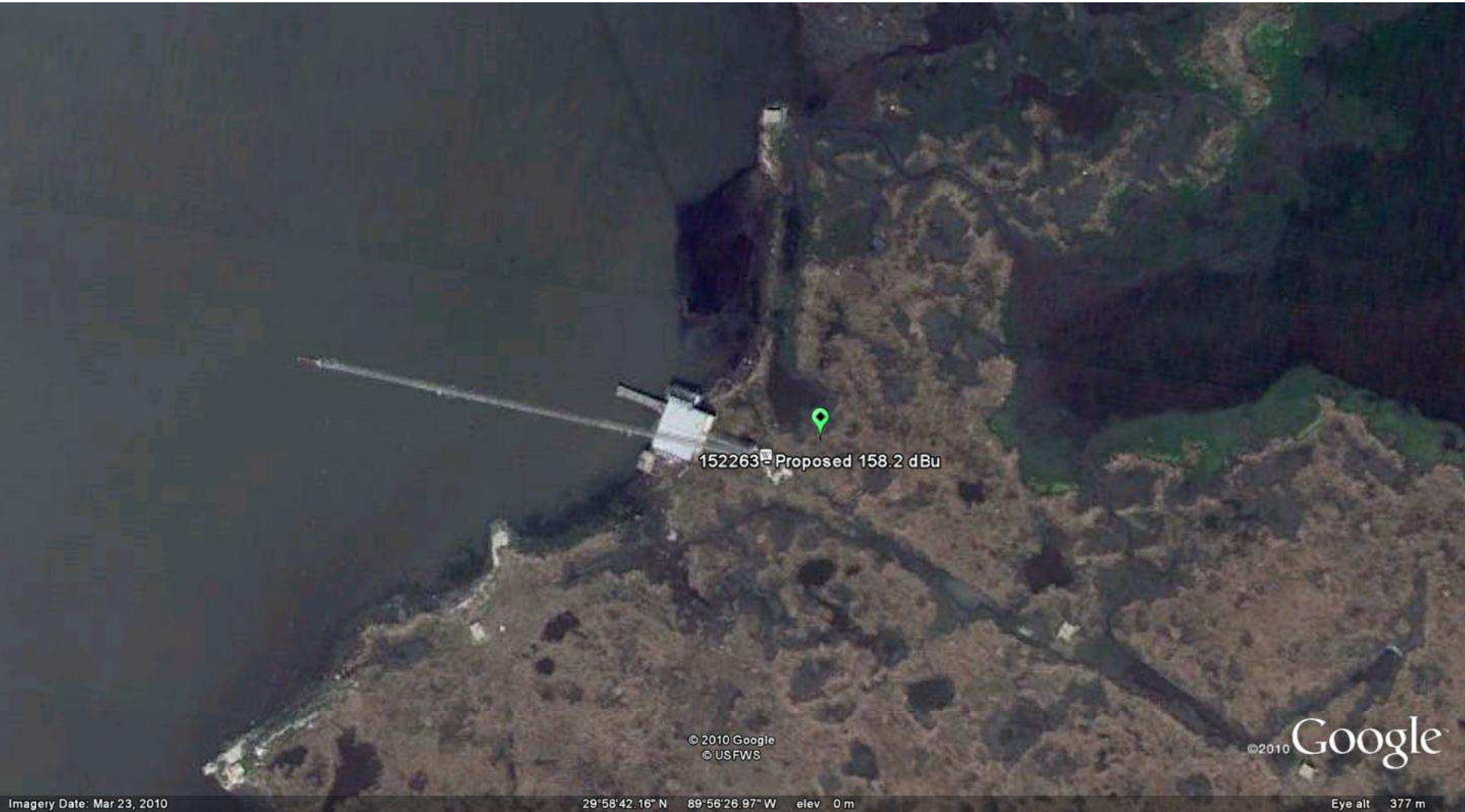
Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
1358236	185057	BNPED	20100226ACG	NEW	CONGREGATION OF OUR LADY OF PROMPT S	C2	GOLDEN MEADOW	LA	APP	50	150.4	289	0	88.2	538.49
1357744	184872	BNPED	20100226AHJ	NEW	HISPANIC FAMILY CHRISTIAN NETWORK, INC.	C2	GOLDEN MEADOW	LA	APP	50	101	289	0	88.7	314.536
1339018	183598	BNPED	20100225ABN	NEW	PROVIDENCE EDUCATIONAL FOUNDATION, INC	C2	GOLDEN MEADOW	LA	APP	50	60	289	0	74.5	67.2301
1305269	52435	BMLH	20090514AAR	WWL-FM	ENTERCOM NEW ORLEANS LICENSE, LLC	C1	KENNER	LA	LIC	96	306	287	2	1.3	1.2531
619626	52435	BXLH	20021231AEE	WWL-FM	ENTERCOM NEW ORLEANS LICENSE, LLC	C1	KENNER	LA	LIC	8.2	192	287	2	1.3	1.2531
1114525	52435	BSTA	20060213ADD	WWL-FM	ENTERCOM NEW ORLEANS LICENSE, LLC	C1	KENNER	LA	APP	5	164	287	2	10.4	1.2531
979464	27951	BLH	20040226AAA	WMTI	RADIO LICENSE HOLDING CBC, LLC	C2	PICAYUNE	MS	LIC	28	219	291	2	60.9	0
211082	35989	BLH	19950711KB	KXOR-FM	SUNBURST MEDIA-LOUISIANA, LLC	C3	THIBODAU	LA	LIC	25	100	292	3	81.4	0
1403399	72132	BMLH	20101019ABT	WQBB	MONTEREY LICENSES, LLC	C3	PASCAGOULA	MS	LIC	25	98	290	1	120.3	0
210229	40580	BMLH	19950608KD	KBZE	HUBCAST BROADCASTING, INC.	A	BERWICK	LA	LIC	4	123	290	1	121.5	0
1291976	22310	BMLH	20090211AAG	KDDK	RADIO & INVESTMENTS, INC.	A	ADDIS	LA	LIC	6	103	288	1	134.5	0
48512	58935	BLH	19821026AS	WAKH	SOUTHWEST BROADCASTING	C1	MCCOMB	MS	LIC	100	268	289	0	152.9	0

## **Intermediate Frequencies (53 and 54 channels difference):**

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Clr
1176646	70279	BLH	20070314AAC	WPRF	SOUTHEASTERN BROADCASTING, INC.	C2	RESERVE	LA	LIC	50	146.9	235	54	80.7	65.7
633205	141584	BNPFT	20030313AMP	NEW	PROVIDENCE EDUCATIONAL FOUNDATION, INC.	D	HAMMOND	LA	APP	0.12	47	236	53	81.5	71.5







152263 Proposed 158.2 dBu

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Imagery Date: Mar 23, 2010

29°58'42.16" N 89°56'26.97" W elev 0 m

Eye alt 377 m