

Ministerio del Gral. de Mar. y Terr.

4

Buenos Ayres 18. de Junio de 1833.
Año 24. de Mar. Lib. y 18. de la Rep.ª

Sur Ministro Sec. de Gobierno.

El infrascrito tiene el honor
de dirigir al Sur. Min. Sec.
de Gobierno el derrotero de la
Div.ª de la Expedición desde

Buenos Ayres Junio
22. de 1833.

la Fortaleza Argentina hasta
el Rio Colorado, p.ª que unido

Como dice el S.º Ministro de la Guerra, al efecto para
al Departamento Topografico.

risoramente, se devuelven luego
de copiados en la Comision
Topografica.

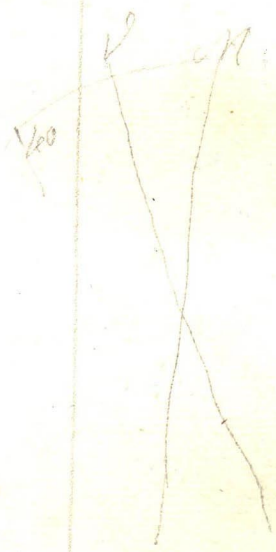
Dias quet. a N.º. en años.

Surigay

Mano de Surigay

S	Perpend. al Meridiano	S	Paralelas al Meridiano.
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1-6	- 20,058	- -	13,453
7-13	- 22,103	- - -	11,808
14-19	- 15,823	- - -	10,440
20-25	- 16,283	- - -	12,378
26-31	- 26,415	- - -	16,738
32-37	- 24,092	- - -	16,370
38-44	- 17,714	- - -	19,445
45-50	- 13,159	- - -	14,643
51-56	- 23,323	- - -	9,731
57-62	- 27,233	- - -	5,902
63-67	- 8,520	- - -	13,381
68-74	- 11,576	- - -	18,103
75-81	- 5,381	- - -	21,060
82-88	- 16,070	- - -	8,467



Minutes Minutes Distances Long Perpend. Long Parallels
 Magn. Course^{8^m} meridians. Sin. at Meridians Cos. at Meridians

~~10,755~~ ~~7,196~~

41 275 291.30
 3000
 $9,56408$
 $3,47712$
 $3,04120 - 110.0$
 $9,96868$
 $3,47712$
 $3,44580$ 2.791

42 274 290.30
 5,740
 $9,54433$
 $3,75891$
 $3,30324$ 2010
 $9,77159$
 $3,75891$
 $3,30323$ 2,010 +

43 278 294.30
 5000
 $9,61773$
 $3,69897$
 $3,35670 - 2073$
 $9,75902$
 $3,69897$
 $3,65799$ 4,549

44 285 305.30
 3,400
 $9,71808$
 $3,53148$
 $3,24956 - 1276$
 $9,93077$
 $3,53148$
 $3,46225$ 2,899

 (44) $-17,711$ 19,425

45 315 331.30
 4,700
 $9,67866$
 $3,67210$
 $3,35076 - 2242$
 $9,94390$
 $3,67210$
 $3,61600$ 4,135

46 288 304.30
 1,870
 $9,91599$
 $3,27184$
 $3,18783 - 1,541$
 $9,75313$
 $3,27184$
 $3,02497$ 1,059

47 320 336.30
 4,500
 $9,60070$
 $3,61278$
 $3,21348 - 1,634$
 $9,76240$
 $3,61278$
 $3,57518$ 3,760

48 330 346.30
 1,500
 $9,36819$
 $3,17609$
 $2,54428 - .350$
 $9,93783$
 $3,17609$
 $3,16392$ 1,458

VB.

(48) $-5,767$ 10,408

Anni. Magn. Anni. Distan. Long Perpend. Long Paralela
 Magn. Corref. mēdian. Sin. al mēdian. Cor. al mēdian.

5,767

10,408

49 315 331.30
 3,800
 $\begin{array}{r} 9,67866 \\ 3,57778 \\ \hline 3,25844 \end{array}$ - 1813
 $\begin{array}{r} 9,94390 \\ 3,57778 \\ \hline 3,52368 \end{array}$ 3,339

50 295 311.30
 7,450
 $\begin{array}{r} 9,87333 \\ 3,87216 \\ \hline 3,74549 \end{array}$ - 5565
 $\begin{array}{r} 9,82269 \\ 3,87216 \\ \hline 3,69485 \end{array}$ 4,952

13,145

18,699

51 278 294.30
 4,200
 $\begin{array}{r} 9,95844 \\ 3,62325 \\ \hline 3,58169 \end{array}$ - 3816
 $\begin{array}{r} 9,62049 \\ 3,62325 \\ \hline 3,24374 \end{array}$ 1,752

52 272 288.30
 5,050
 $\begin{array}{r} 9,97653 \\ 3,70329 \\ \hline 3,67982 \end{array}$ - 4,784
 $\begin{array}{r} 9,50523 \\ 3,70329 \\ \hline 3,20852 \end{array}$ 1,616

53 274 290.30
 2,900
 $\begin{array}{r} 9,97159 \\ 3,46240 \\ \hline 3,43351 \end{array}$ - 2,919
 $\begin{array}{r} 9,54769 \\ 3,46240 \\ \hline 3,05009 \end{array}$ 1,024

54 276 286.30

Minutes Magnēt.	Minutes Corregido.	Distanc. medias	Long Lin.	Perpend. al Meridiano	Long Cos.	Paralela al Meridiano
				5,767		10,408

47	315	331-30	3800	9,67866 3,57978 3,25844	1,213	9,94390 3,57978 3,52368	3,339
50	295	311-30	7,450	9,87446 3,87216 3,74662	5579	9,82326 3,87216 3,69342	4,936
51	278	294-30	4,200	(50) - - - = 13,759 9,95902 3,62325 3,58227	3821	9,61773 3,62325 3,24098	1,741
52	272	288-30	5,050	9,97696 3,70329 3,68025	4789	9,50148 3,70329 3,20477	1,602
53	274	290-30	2,900	9,97159 3,46240 3,43399	2,716	9,54433 3,46240 3,00673	1,015
54	280	296-30	2,100	9,95179 3,32222 3,27401	1,880	9,64953 3,32222 2,97175	937
55	278	294-30	6,500	9,95902 3,81291 3,77193	5914	9,61773 3,81291 3,43064	2,695
56	276	292-30	4550	9,96562 3,65801 3,62363	4,203	9,58284 3,65801 3,24085	1,741

S. B.

(56) - 23,323 - 9,731

42.	Latitude Mayn.	Summit Corogion	Distance medidan.	Long Sin	Perpend. at Meridiano	Long Cos.	Paralela at Meridiano.
57	274	290-30	5600	9,97159 374819 <u>3,71928</u>	5245	9,54433 3,74819 <u>3,29252</u>	1,961
58	299	315-30	6600	9,84566 3,81954 <u>3,66520</u>	4626	9,85324 3,81954 <u>3,67278</u>	1,707
59	239	255-30	4350	-9,98594 3,63849 <u>3,62443</u>	4211	9,39860 3,63849 <u>3,03709</u>	1,089
60	243	259-30	3885	9,92267 3,58939 <u>3,58206</u>	3820	9,26063 3,58939 <u>2,85002</u>	708
61	253	279-30		9,99400			
61	263	279-30	4400	9,99400 3,64345 <u>3,63745</u>	4340	9,21761 3,64345 <u>2,85106</u>	726
62	257	273-30	5000	9,99919 3,69897 <u>3,69816</u>	4995	8,78568 3,69897 <u>2,48465</u>	305

YB

(62) - 27233

~~15854~~
~~8170~~
~~8170~~

~~9560~~
7,689
- 1799

5,902

Arquitas Aringtes Distanca Long Perpend Long Paralela
 Magn. Long. Medidas Lin. al Meridiano Meridiano al Meridiano.

63	260	276 30	6400	9,89760 3,83251 <u>2,88011</u> - 6756	9,07386 3,43251 <u>2,88011</u>	6794
64	295	311 30	3060	9,87426 3,28572 <u>3,36018</u> - 2292	9,82126 3,28572 <u>3,30698</u>	2,027
65	354	10 30	1500	9,26063 3,17609 <u>2,43672</u> 273	9,99267 3,17609 <u>3,16876</u>	1,275
66	273	245 30	1,300	9,94390 3,11394 <u>3,05784</u> 1142	9,67866 3,11394 <u>2,79260</u>	620
67	325	345 30	2,400	9,97696 3,38021 <u>3,35717</u> - 2276	9,50148 3,38021 <u>2,88169</u>	761
68	320	336 30	3000	9,96240		
66	35	51 30	1,300	9,89354 3,11394 <u>3,00748</u> 1017	9,79415 3,11394 <u>2,90809</u>	609
67	325	345 30	2,400	9,50148 3,38021 <u>2,88169</u> - 782	9,97696 3,38021 <u>3,35717</u>	2,276

V 13.

(67)
$$\begin{array}{r} 1290 \\ 19810 \\ \hline 8520 \end{array}$$

$$\begin{array}{r} 12747 \\ \hline 13,385 \end{array}$$

52

Azim Azim. Distance Long Perpend. Long Paratela
 21 Mag 0. Medias Sin. Mens. Cor. at Meridiano.

68 320 336-30
 3,000
 $\overline{9,60070}$
 $\underline{3,47712}$
 $3,07782$ 1,196
 $\overline{9,96240}$
 $\underline{3,47712}$
 $3,43952$ 2,751

69 322 338-30
 3,550
 $\overline{9,56408}$
 $\underline{3,55023}$
 $3,11431$ - 1301
 $\overline{9,96868}$
 $\underline{3,55023}$
 $3,51891$ 3303

70 304 320-30
 3,420
 $\overline{9,80351}$
 $\underline{3,53403}$
 $3,33754$ - 2175
 $\overline{9,88741}$
 $\underline{3,53403}$
 $3,42144$ 2639

71 315 331-30
 3400
 $\overline{9,67866}$
 $\underline{3,53148}$
 $3,21014$ 1622
 $\overline{9,94390}$
 $\underline{3,53148}$
 $3,47538$ 2988

72 298 314-30
 2600
 $\overline{9,85324}$
 $\underline{3,41497}$
 $3,26821$ - 1854
 $\overline{9,84566}$
 $\underline{3,41497}$
 $3,26063$ 1822

73 298 314-30
 2800
 $\overline{9,85324}$
 $\underline{3,44716}$
 $3,30040$ 1997
 $\overline{9,84566}$
 $\underline{3,44716}$
 $3,27282$ 1963

74 315 331-30
 3000
 $\overline{9,67866}$
 $\underline{3,47712}$
 $3,15576$ - 1431
 $\overline{9,94390}$
 $\underline{3,47712}$
 $3,42102$ 2637

(74) $\overline{-11,576}$ $\underline{18,102}$

Distanc. *Long* *Perpend* *Long* *Paralela*
 Medidn. *sin* *al. Mex.* *cos* *al. Mex.*

75 313 329-30
 4,200
 $\begin{array}{r} 9,70547 \\ 3,62325 \\ \hline 3,32972 - 2122 \end{array}$
 $\begin{array}{r} 9,92532 \\ 3,62325 \\ \hline 3,55857 \end{array}$
 3,619

76 313 329,30
 2960
 $\begin{array}{r} 9,70547 \\ 3,47129 \\ \hline 3,17676 - 1502 \end{array}$
 $\begin{array}{r} 9,92532 \\ 3,47129 \\ \hline 3,40661 \end{array}$
 2,550

77 340 356-30
 2,500
 $\begin{array}{r} 8,78568 \\ 3,32222 \\ \hline 2,10790 - 528 \end{array}$
 $\begin{array}{r} 9,99919 \\ 3,32222 \\ \hline 3,32141 \end{array}$
 2,076

78 324 340-30
 5,500
 $\begin{array}{r} 9,52350 \\ 3,70757 \\ \hline 3,23107 - 1703 \end{array}$
 $\begin{array}{r} 9,97435 \\ 3,70757 \\ \hline 3,68192 \end{array}$
 4,808

79 313 322-30
 2,100
 $\begin{array}{r} 9,70547 \\ 3,32222 \\ \hline 3,02769 - 107 \end{array}$
 $\begin{array}{r} 9,92532 \\ 3,32222 \\ \hline 3,25754 \end{array}$
 1,750

80 353 9-30
 4,400
 $\begin{array}{r} 9,21761 \\ 3,64345 \\ \hline 2,86106 - 726 \end{array}$
 $\begin{array}{r} 9,99400 \\ 3,64345 \\ \hline 3,63745 \end{array}$
 4,340

81 325 341-30
 2,000
 $\begin{array}{r} 9,50148 \\ 3,30103 \\ \hline 2,80251 - 635 \end{array}$
 $\begin{array}{r} 9,97696 \\ 3,30103 \\ \hline 3,27799 \end{array}$
 1,897

~~14,578~~
~~20,665~~
~~6,207~~
 726
~~5,381~~ } 25,060

J.B.

62	Num. Magnt.	Num. Connex.	Distanc. Meridian	Long. Sen	Perpend. al. Mean ^{92.0}	Long. Cor.	Perpetua al. Meridian
82	358	14-30	2400	9,37860 3,38021 <u>2,77481</u>	8601	9,78574 3,38021 <u>3,36615</u>	2323
83	297	313-30	1700	9,86056 3,23045 <u>3,09705</u>	1234	9,83781 3,23045 <u>3,06826</u>	1170 1170
84	270	286-30	4000	9,98174 3,60206 <u>3,54380</u>	3855	9,45334 3,60206 <u>3,05540</u>	1136
85	305	321-30	2900	9,72445 3,46240 <u>3,22655</u>	1805	9,89354 3,46240 <u>3,32594</u>	5976 2270
86	284	300-30	7200	9,93532 3,85733 <u>3,79265</u>	6204	9,70547 3,85733 <u>3,56270</u>	1600 3654
87	235	251-30	2750	9,97696 3,43933 <u>3,41629</u>	2608	9,50148 3,43933 <u>2,94081</u>	872
88	202	318-30	1550	9,77455 3,19033 <u>2,78446</u>	965	9,89354 3,19033 <u>3,08387</u>	1213

-1234			
-3855			
-1805			
-6204			
-2608			
-965			
<u>-16675</u>			
601			
<u>-16070</u>			
	-3836	680	2,323
	-2103	1,559	1,170
	-6204	2608	1,136
	-764	<u>4,767</u>	2,270
	<u>-13,107</u>		3654
	4767		<u>10959</u>
	<u>(-4340)</u>		-2086
	1.73.		<u>(8407)</u>

Azimutes Azimuta Distancias Long Perpend Long Paralela
 Magnet. Corregido Medias Sin. al Meridiano
 diurno. Cor. al Meridiano

15 de Agosto

14 298 314.15 9,85510 9,84372
 3,200 3,50515 3,50515
 -3,36025 -2292 3,34889 2232

15 295 311.15 9,87612 9,81911
 2,205 3,34348 3,34348
 3,21954 1657 3,16252 ~~1453~~
 1453

16 274 290.15 9,97229 9,53922
 3,780 3,57749 3,57749
~~3,54978~~ 3546 3,11671 1308
 3,54978

17 313 329.15 9,70866 9,93420
 8100 3,90848 3,90848
 -3,61710 -4141 3,84268 6968

18 306 322.15 9,88691 9,89801
 2100 3,32222 3,32222
 -3,10918 -1254 3,22023 1660
 1286

19 298 314.15 9,85510 9,84372
 1050 3,60745 3,60745
 -3,46256 -2901 3,45118 2826

~~15823~~

~~16440~~

(19) - 15,823

16,440

S. B.

	Minutas Magnéticas	Minutas Corregidas	Distancia medidas	Long len.	Perpend. al Meridiano	Long Cor.	Peralda al Meridiano
20	295	311 15		9,87653		9,81911	
			3,360	3,52634		3,52634	
				3,40267	2526	3,34545	2215
21	295	311 15		9,87653		9,81911	
			4,750	3,67669		3,67669	
				3,55242	3571	3,49580	3131
22	292	308 15		9,89504		9,79576	
			2,800	3,44716		3,44716	
				3,34270	2198	3,23899	1733
23	288	304 15		9,91729		9,75096	
			4,500	3,65321		3,65321	
				3,57050	3719	3,40357	2532
24	282	298 15		9,94492		9,67515	
			2,100	3,32222		3,32222	
				3,26714	1850	2,99737	994
25	290	306 15		9,90657		9,77181	
			3,000	3,47712		3,47712	
				3,38369	2419	3,24893	1773

(25) - 16,283

J. B.

~~12378~~
12378

	Arquitos Magnetics	Arquitos Corregido	Distancia medida	Long Sin	Perpend. al Meridiano	Long Cor.	Paralela al Meridiano
26	292	308-15		9,89504		9,79176	
			5550	3,74429		3,74429	
				9,63933	4358	3,53605	3436
27	287	303-15	5000	9,92235		9,73901	
			5000	3,69897		3,69897	
				3,62132	4185	3,43798	2721
28	305	321-15		9,79652		9,89203	
			4700	3,67210		3,67210	
				3,46862	2941	3,56410	3665
29	284	300-15		9,93643		9,70224	
			5550	3,74429		3,74429	
				3,64072	4794	3,44653	2795
30	278	294-30		9,95902		9,61773	
			5500	3,74036		3,74036	
				3,69938	5004	3,35809	2281
31	273	289-30		9,97435		9,52350	
			5450	3,73640		3,73640	
				3,71075	5137	3,25990	1819

~~26,415~~

~~16,738~~

(31)

-26,415

16,738

VB

	Arquitos Magned.	Arquitos Conexión.	Distancia media.	Long. Lun.	Depend. al meridiano	Long. Cor.	1000000 Paralela al Meridian
32	215	231-30	5,200	$\bar{9}, 89854$ 3,716 <u>$\bar{3}, 60954 - 4069$</u>		$\bar{9}, 79415$ 3,716 <u>$\bar{3}, 51015 - 3,237$</u>	
33	268	284-30	3,500	$\bar{9}, 98594$ 3,54407 <u>$\bar{3}, 53006 - 3,389$</u>		$\bar{9}, 39860$ 3,54407 <u>$\bar{2}, 94267 - 876$</u>	
34	265	281-30	5,200	$\bar{9}, 99189$ 3,77025 <u>$\bar{3}, 76204 - 5,785$</u>		$\bar{9}, 29966$ 3,77025 <u>$\bar{3}, 07051 - 1,076$</u>	
35	234	250-30	4,000 4,000	$\bar{9}, 99435$ 3,60206 <u>$\bar{3}, 57641 - 3,770$</u>		$\bar{9}, 52350$ 3,60206 <u>$\bar{3}, 52556 - 1,335$</u>	
36	250	266-30	3,400	$\bar{9}, 99919$ 3,53148 <u>$\bar{3}, 53067 - 3,393$</u>		$\bar{8}, 78568$ 3,53148 <u>$\bar{2}, 31716 - 207$</u>	
37	268	284 30	5555	$\bar{9}, 98594$ 3,74468 <u>$\bar{3}, 73062 - 5378$</u>		$\bar{9}, 39860$ 3,74468 <u>$\bar{3}, 54328 - 1390$</u>	
	VB		(37)	$\bar{2}, 2092$		$\bar{6}, 370$	$\bar{4}, 779$ <u>$\bar{3}, 642$</u> $\bar{5}, 137$
38	300	316-30	5400	$\bar{9}, 83781$ 3,73239 <u>$\bar{3}, 57040 - 3716$</u>		$\bar{9}, 86056$ 3,73239 <u>$\bar{3}, 59295 - 3917$</u>	
39	268	284-30	6,700	$\bar{9}, 98594$ 3,82607 <u>$\bar{3}, 81101 - 6472$</u>		$\bar{9}, 39860$ 3,82607 <u>$\bar{3}, 22467 - 1677$</u>	
40	273	287-30	1700	$\bar{9}, 52350$ 3,23045 <u>$\bar{2}, 15895 - 567$</u>		$\bar{9}, 97435$ 3,23045 <u>$\bar{3}, 20480 - 1602$</u>	
	VB		(40)	$\bar{10}, 755$			$\bar{9}, 796$