



## SINGAPOREAN NOTICES TO MARINERS

SECTION	CONTENT	Page
I	Affected Charts & Publications	1
II	New Charts and Publications	2
	Notices to Mariners and Chart Corrections	3
	Temporary and Preliminary Notices	6
	Cancelled Temporary and Preliminary Notices	7
III	Navigational Information	8
	Amendments to Publications	9
IV	Reprint of Maritime Safety Information	11
V	Extract of Admiralty Notices to Mariners for Dual-Badged Charts	13

The monthly Notices to Mariners contain information required to keep charts and publications published by the Hydrographic Division, Maritime and Port Authority of Singapore up-to-date.

Mariners are requested to notify the Chief Hydrographer, Maritime and Port Authority of Singapore, immediately of the discovery of new or suspected dangers to navigation, observed changes to aids to navigation and ways Singaporean Charts and Publications can be improved. The Hydrographic Note on the back page should be used for this purpose.

Detailed information of charts and publications (coverage of charts, latest editions and distributors) are available on the Maritime and Port Authority of Singapore's Website: [www.mpa.gov.sg](http://www.mpa.gov.sg)

**MPA Telegram Channel:** MPA has launched a Telegram channel for notices and circulars. To stay updated, please subscribe via the following link <https://go.gov.sg/mpa-telegram> or scan the QR code:



<https://go.gov.sg/mpa-telegram>

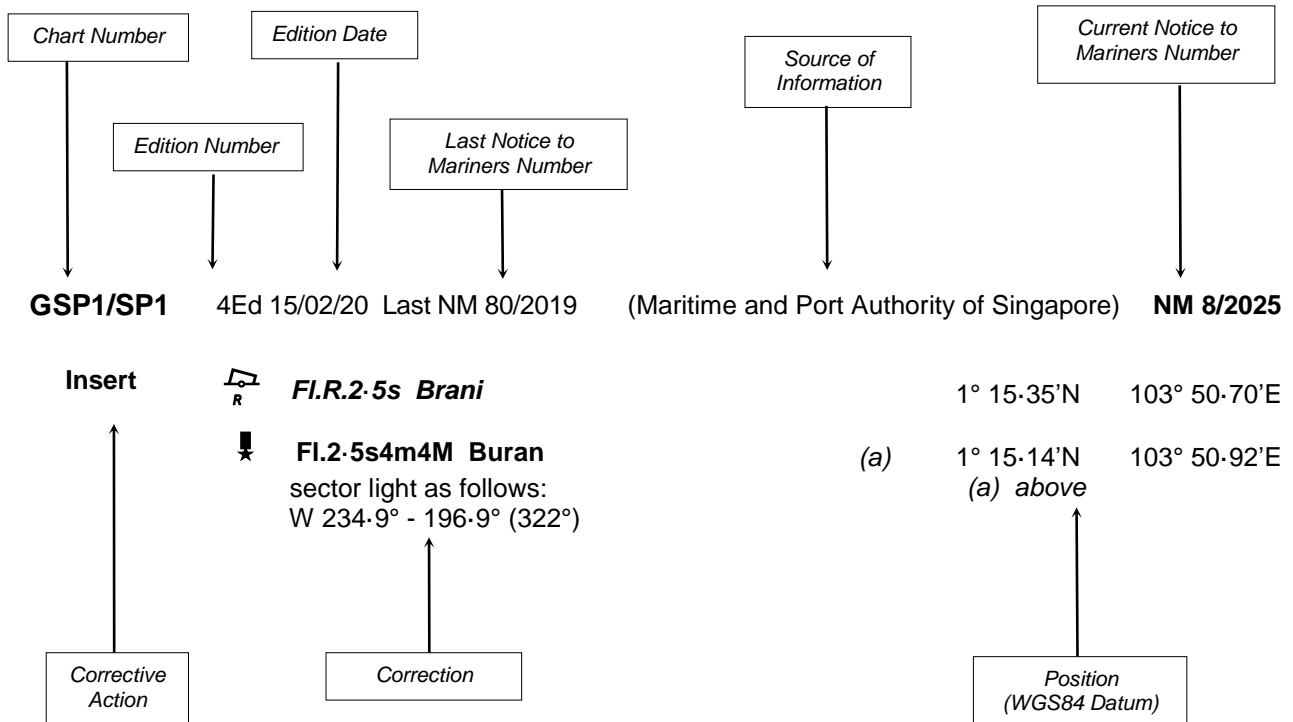
- [Singaporean Notice to Mariners](#)
- [Singaporean Charts](#)
- [Dual-Badged Charts](#)
- [Singapore ENC](#)
- [Malacca and Singapore Straits ENC](#)
- [Singapore Port Information](#)
- [Singapore Tide Tables](#)

### Contact information:

Hydrographic Division  
Maritime and Port Authority of Singapore  
7B Keppel Road  
#20-00 Tanjong Pagar Complex  
Singapore 089055  
Tel : 1800 272 7777 / (65) 6272 7777  
Email : [hydrographic@mpa.gov.sg](mailto:hydrographic@mpa.gov.sg)

## EXPLANATION OF FORMAT

The elements of a typical chart correction are explained below.



### Notes:

- Notice to Mariners number followed by:
  - T** indicates a Temporary Notice (eg. **NM 9T/2025**).
  - P** indicates a Preliminary Notice (eg. **NM 10P/2025**).
- Bearings are true reckoned clockwise from 000° to 359°; those relating to lights are from seaward.
- Heights and elevations are above Mean High Water Springs.
- # indicates where amendments are made.
- \* indicates source from Maritime and Port Authority of Singapore.

I  
**AFFECTED CHARTS AND PUBLICATIONS**

**INDEX OF NOTICES**

<b>NOTICE NO.</b>	<b>DESCRIPTION</b>	<b>PAGE NO.</b>
-	New Charts and Publications	2
*29, *30, *31, 32	Singaporean Chart GSP1/SP1	3
*29, 33, 34, 35	Singaporean Chart 202	3
*29	Singaporean Chart 500	4
*29, *30	Singaporean Chart 501	4
*29, 32	Singaporean Chart 502	5
*29, 33	Singaporean Chart 503	5
*36T	Temporary and Preliminary Notices	6
-	Cancelled Temporary and Preliminary Notices	7
*37	Singapore Port Marine Notices/Circulars	8
*38	Amendments to Publications	9 - 10
-	Reprint of Maritime Safety Information	11 - 12
-	Extract of Admiralty Notices to Mariners for Dual-Badged Charts	13 - 19

\*Source: Maritime and Port Authority of Singapore

## II NEW CHARTS AND PUBLICATIONS

### NEW EDITION DUAL BADGED CHARTS TO BE PUBLISHED ON 3<sup>rd</sup> APRIL 2025

<b>Chart Number</b>	: 4038
<b>Title</b>	: Malaysia and Singapore Johor Strait - Western Part
<b>Coverage</b>	: Lat        01°10'80"N     01°28'70"N Long       103°28'60"E     103°40'70"E
<b>Scale</b>	: 1 : 30 000
<b>Date to be Published</b>	: 3 <sup>rd</sup> April 2025
<b>Size of Chart</b>	: 750.6 x 1100.2 mm
<b>Description</b>	: This new edition includes: <ul style="list-style-type: none"> <li>a) Amendment of Temasek Fairway</li> <li>b) Amendment of West Jurong Channel</li> <li>c) Deletion of Very Large Crude Carrier Anchorage (AVLCC)</li> <li>d) Amendment to aids to navigation in Temasek Fairway</li> </ul>









The existing chart of the same number published on 2<sup>nd</sup> December 2021 will be superseded.

<b>Chart Number</b>	: 4040
<b>Title</b>	: Singapore, Indonesia and Malaysia Tuas View to Pulau Sakijang Bendera (S. John's Island)
<b>Coverage</b>	: Lat        01°07'40"N     01°19'60"N Long       103°34'10"E     103°51'90"E
<b>Scale</b>	: 1 : 30 000
<b>Date to be Published</b>	: 3 <sup>rd</sup> April 2025
<b>Size of Chart</b>	: 1100.6 x 749.5 mm
<b>Description</b>	: This new edition includes: <ul style="list-style-type: none"> <li>a) Amendment of Temasek Fairway</li> <li>b) Amendment of West Jurong Channel</li> <li>c) Deletion of Very Large Crude Carrier Anchorage (AVLCC)</li> <li>d) Amendment to aids to navigation in Temasek Fairway</li> </ul>

The existing chart of the same number published on 2<sup>nd</sup> December 2021 will be superseded.


## II


## NOTICES TO MARINERS AND CHART CORRECTIONS

<b>GSP1/SP1</b>	9 Ed 15/01/25 Last NM 25/2025	(Maritime and Port Authority of Singapore)	<b>*NM 29/2025</b>
<b>Insert</b>	submarine cable,  , joining:	1°12·98'N 103°37·19'E 1°12·27'N 103°36·89'E 1°11·66'N 103°35·93'E 1°11·53'N 103°34·68'E 1°10·50'N 103°34·00'E (chart border)	
	and:	(chart border) 1°06·43'N 103°44·93'E 1°07·04'N 103°45·10'E 1°11·73'N 103°53·08'E 1°13·56'N 103°57·64'E 1°14·59'N 104°05·00'E 1°14·31'N 104°08·10'E (chart border)	
		(Maritime and Port Authority of Singapore)	<b>*NM 30/2025</b>
<b>Replace</b>	 <i>Senang, Fl. Y. 2s</i> with  <i>Senang, Fl. Y. 2s</i>	1°10·41'N 103°45·00'E	
		(Maritime and Port Authority of Singapore)	<b>*NM 31/2025</b>
<b>Replace</b>	 <i>Berkas, Fl. Y. 4s</i> with  <i>Berkas, Fl. Y. 4s</i>	1°11·67'N 103°44·35'E	
		(Pushidrosal Indonesian Notice No.10/95/2025)	<b>NM 32/2025</b>
<b>Move</b>	 <i>LFl. 10s</i> , from:	1°10·24'N 103°59·31'E	
	to:	1°10·14'N 103°58·48'E	
<hr/>			
<b>202</b>	8 Ed 15/09/16 Last NM 5/2025	(Maritime and Port Authority of Singapore)	<b>*NM 29/2025</b>
<b>Insert</b>	submarine cable,  , joining:	(chart border) 1°18·53'N 104°38·17'E 1°18·64'N 104°38·60'E 1°18·90'N 104°40·30'E 1°17·42'N 104°44·00'E 1°15·63'N 104°48·89'E (chart border)	
		(Pushidrosal Indonesian Notice No.10/94/2025)	<b>NM 33/2025</b>
<b>Insert</b>	 <i>Wk</i>	1°16·72'N 104°28·41'E	
		(Pushidrosal Indonesian Notice No.8/76/2025)	<b>NM 34/2025</b>
<b>Insert</b>	depth, <i>19<sub>8</sub></i> and associated 20m contour	0°53·24'N 103°36·58'E	
	depth, <i>19<sub>3</sub></i> and associated 20m contour	0°52·74'N 103°34·41'E	
		(Pushidrosal Indonesian Notice No.8/75/2025)	<b>NM 35/2025</b>
<b>Delete</b>	depth, <i>13</i> and associated 10m contour	0°57·65'N 103°34·04'E	

## II

## NOTICES TO MARINERS AND CHART CORRECTIONS

<b>500</b>	8 Ed 15/09/17 Last NM 25/2025	(Maritime and Port Authority of Singapore)	<b>*NM 29/2025</b>
<b>Insert</b>	submarine cable,  , joining:		1°12·98'N 103°37·19'E
			1°12·27'N 103°36·89'E
			1°11·66'N 103°35·93'E
			1°11·53'N 103°34·68'E
			1°06·81'N 103°31·50'E
			1°06·58'N 103°31·53'E
			1°04·53'N 103°34·46'E
			1°04·05'N 103°35·21'E
			(chart border)
	and:		(chart border)
			1°04·05'N 103°42·64'E
			1°05·79'N 103°44·61'E
			(chart border)

<b>501</b>	7 Ed 01/09/15 Last NM 26/2025	(Maritime and Port Authority of Singapore)	<b>*NM 29/2025</b>
<b>Insert</b>	submarine cable,  , joining:		1°12·98'N 103°37·19'E
			1°12·27'N 103°36·89'E
			1°11·66'N 103°35·93'E
			1°11·53'N 103°34·68'E
			1°06·81'N 103°31·50'E
			1°06·58'N 103°31·53'E
			1°04·53'N 103°34·46'E
			1°01·79'N 103°38·79'E
			1°01·66'N 103°39·53'E
			1°01·80'N 103°40·10'E
			1°05·94'N 103°44·80'E
			1°07·04'N 103°45·10'E
			1°11·73'N 103°53·08'E
			1°12·52'N 103°55·05'E
			(chart border)


(Maritime and Port Authority of Singapore) **\*NM 30/2025**

<b>Replace</b>	 <i>Senang, Fl. Y. 2s</i> with  <i>Senang, Fl. Y. 2s</i>	1°10·41'N 103°45·00'E
----------------	--	-----------------------

## II

### NOTICES TO MARINERS AND CHART CORRECTIONS

**502** 9 Ed 15/10/21 Last NM 14/2025 (Maritime and Port Authority of Singapore) **\*NM 29/2025**

**Insert** submarine cable,  , joining: (chart border)

1°10·81'N	103°51·43'E
1°11·73'N	103°53·08'E
1°13·56'N	103°57·64'E
1°14·59'N	104°05·00'E
1°14·25'N	104°08·75'E
1°14·27'N	104°15·46'E
1°14·66'N	104°17·31'E

(chart border)

(Pushidrosal Indonesian Notice No.10/95/2025) **NM 32/2025**

<b>Insert</b>		<i>LFI. 10s</i>	1°10·14'N	103°58·48'E
<b>Delete</b>		<i>LFI. 10s</i>	1°10·24'N	103°59·31'E

**503** 5 Ed 15/08/14 Last NM 5/2025 (Maritime and Port Authority of Singapore) **\*NM 29/2025**

**Insert** submarine cable,  , joining: (chart border)

1°14·26'N	104°11·89'E
1°14·27'N	104°15·46'E
1°16·07'N	104°23·93'E
1°15·87'N	104°25·13'E
1°16·49'N	104°26·07'E
1°16·49'N	104°26·86'E
1°16·77'N	104°27·41'E
1°17·55'N	104°32·71'E
1°17·35'N	104°33·76'E
1°18·53'N	104°38·17'E

(chart border)

(Pushidrosal Indonesian Notice No.10/94/2025) **NM 33/2025**

<b>Insert</b>		14i <i>Wk</i>	1°16·72'N	104°28·41'E
---------------	---	---------------	-----------	-------------

\*Source: Maritime and Port Authority of Singapore

## II

### TEMPORARY AND PRELIMINARY NOTICES

**\*(NM 36T/2025) : HIGH SPOT AND OBSTRUCTIONS EXIST OFF PULAU TEKONG**

Description : 1. High spot and obstructions with least depth below CD exists off Pulau Tekong.

	<b>Depth</b>	<b>Position</b>
High Spot	1·7m	1°26·50'N, 104°01·97'E
Obstruction	3·1m	1°26·04'N, 104°01·13'E
Obstruction	9·5m	1°23·41'N, 104°05·13'E

2. Mariners are advised to navigate with caution.

Charts affected : Singaporean GSP1/SP1, 502, 202, Dual Badged BA4043, BA4044

ENCs affected : SG5C4043

---

\*Source: Maritime and Port Authority of Singapore



**II**  
**TEMPORARY AND PRELIMINARY NOTICES**

**Cancelled Temporary and Preliminary Notices**

<i>No. of Notices</i>	<i>Subject</i>	<i>Charts Affected</i>
42P/2023	FOULS EXIST IN THE VICINITY OF SUDONG SPECIAL PURPOSE (ASSPU) ANCHORAGE	Singaporean Chart 500, 501, GSP1/SP1 Dual Badged BA4031, BA4039, BA4040 Singaporean ENC SG5C4031

### III NAVIGATIONAL INFORMATION

#### \*(NM 37/2025) SINGAPORE PORT MARINE NOTICES / CIRCULARS

The Port Marine Notices/Circulars shortlisted below would be of particular interest to Mariners. Details and complete list of Port Marine Notices/Circulars are available at this link:

<http://www.mpa.gov.sg/web/portal/home/port-of-singapore/circulars-and-notices>

#### **PMC No. Subject**

04/2025	Carriage of blends biofuels and MARPOL Annex 1 cargoes by conventional bunker tankers in the port of Singapore
---------	--

---

#### **PMN No. Subject**

15/2025	Construction of sewer intake structure and sewer discharge culvert
20/2025	Reclamation works at Pulau Tekong
24/2025	Mooring and unmooring of vessels at project sites off Pulau Tekong
26/2025	Anchoring and movement of vessels off Tuas View Extension

---

\*Source: Maritime and Port Authority of Singapore

### III AMENDMENTS TO PUBLICATIONS

#### \*(NM 38/2025) UPDATING OF PUBLICATION “SINGAPORE PORT INFORMATION 2025”

The Singapore Port Information 2025 including the following updates can be accessed directly from MPA Website:

<https://www.mpa.gov.sg/who-we-are/newsroom-resources/publications/singapore-port-information>

#### CHARACTERISTICS OF AIDS TO NAVIGATION

##### 1. Page 57

###### SAKRA BASIN

Amend the following:

Name Of Beacon / Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
Ayer Beacon	01°16·087' 103°42·401'	White triangle daymark on white steel pipe	DirFl.WRG.3s10m 10-4M G299° - 305°(6°) W305° - 309°(4°) R309° - 315°(6°)	PCS Pte Ltd
PCS 5 Buoy	01°15·834' 103°42·891'	Yellow pillar	Fl.Y.6s	PCS Pte Ltd

##### 2. SINKI FAIRWAY

Amend the following:

Name Of Beacon / Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
Pempang Buoy	01°14·306' 103°43·310'	Double black cones topmark point upward on black yellow pillar	Q.W	MPA

##### 3. Page 62

###### SAWA PEMALANG

Amend the following:

Name Of Beacon / Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
Berkas Buoy	01°11·671' 103°44·348'	Yellow pillar	Fl.Y.4s	MPA
Senang Buoy	01°10·409' 103°44·998'	Yellow pillar	Fl.Y.2s	MPA

### III AMENDMENTS TO PUBLICATIONS

#### \*(NM 38/2025) UPDATING OF PUBLICATION “SINGAPORE PORT INFORMATION 2025”

The Singapore Port Information 2025 including the following updates can be accessed directly from MPA Website:

<https://www.mpa.gov.sg/who-we-are/newsroom-resources/publications/singapore-port-information>

#### 4. Page 65 CRUISE BAY

Insert the following:

Name Of Beacon / Buoy	Position Lat. N Long. E Deg Min	Structure, Colour & Shape	Light Characteristic	Owner
RS-1 Buoy	01°15·557' 103°49·215'	Yellow pillar with 'X' topmark	Fl.Y.3s (sync)	China Jingye Engineering Corporation Limited
RS-2 Buoy	01°15·585' 103°49·322'	Yellow pillar with 'X' topmark	Fl.Y.3s (sync)	China Jingye Engineering Corporation Limited
RS-3 Buoy	01°15·582' 103°49·384'	Yellow pillar with 'X' topmark	Fl.Y.3s (sync)	China Jingye Engineering Corporation Limited

#### WHARVES AND BERTHS

#### 5. Page 94 SINGAPORE REFINING CO PTE LTD - JURONG ISLAND (1°17·6'N, 103°43·0'E)

Amend the following:

Berth	Length of Berth Box	Max LOA	Depth Alongside (Year Surveyed)	Approach Depth
OSRC5P	138m	130m	10·6m (2007)	8·3m
OSRC6T	140m	126m	11·0m (2013)	12·1m
OSRC7T	274m	190m	12·4m (2006)	12·1m

---

\*Source: Maritime and Port Authority of Singapore

## IV

## REPRINT OF MARITIME SAFETY INFORMATION

TT418

WEST BOUND DEEP DRAFT VESSELS AND VLCCS ARE REMINDED TO COMPLY WITH THE RULES OF VESSELS NAVIGATING THROUGH THE STRAITS OF MALACCA AND SINGAPORE (SOMS). THEY SHALL ALLOW FOR AN UKC OF AT LEAST 3.5 METRES AT ALL TIMES DURING THE ENTIRE PASSAGE THROUGH THE SOMS AND AS FAR AS IT IS SAFE AND PRACTICABLE, PROCEED AT A SPEED OF NOT MORE THAN 12 KTS OVER THE GROUND IN THE WESTBOUND LANE OF THE SINGAPORE STRAIT (BETWEEN SOUTH OF ST JOHN'S ISLAND & RAFFLES LIGHTHOUSE). THEY ARE ADVISED TO BROADCAST, 8 HOURS BEFORE ENTERING THE TSS, NAVIGATIONAL INFORMATION GIVING NAME, DEADWEIGHT, DRAUGHT, SPEED AND TIMES OF PASSING HORSBURGH LIGHTHOUSE AND RAFFLES LIGHTHOUSE.

TT961

VESSELS INTENDING TO CROSS THE TRAFFIC SEPARATION SCHEME (TSS) OR PRECAUTIONARY AREAS IN THE SINGAPORE STRAIT DURING THE HOURS OF DARKNESS ARE RECOMMENDED TO DISPLAY THE NIGHT SIGNALS CONSISTING OF 3 ALL ROUND GREEN LIGHTS IN A VERTICAL LINE AS DETAILED IN THE MARITIME AND PORT AUTHORITY OF SINGAPORE'S PORT MARINE CIRCULAR, 04 OF 2013 DATED 7 MAY 2013.

TT273

ALL VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION, COMPLY WITH THE COLREGS ,MAINTAIN VHF RADIO WATCH AND LISTEN TO TRAFFIC INFORMATION WHEN NAVIGATING IN THE SINGAPORE STRAIT AND PORT WATERS. MARINERS ARE ALSO ADVISED TO KEEP A GOOD LOOKOUT OF FREQUENT FERRIES CROSSING THE SINGAPORE STRAIT.

TT175

VESSELS IN EAST JOHOR STRAIT ARE ADVISED TO NAVIGATE WITH PARTICULAR ALERTNESS AND CAUTION WHEN NEAR THE PROJECT AREAS OFF PULAU TEKONG, CHANGI AND MALANG PAPAN AS SHALLOW WATER AREAS EXIST. VESSELS ARE REMINDED TO PROCEED AT A SAFE SPEED AND MAINTAIN A PROPER LOOK-OUT, PARTICULARLY FOR TUGS AND BARGES NAVIGATING NEAR THE PROJECT AREAS AND PASSENGER FERRIES CROSSING BETWEEN CHANGI AND PULAU TEKONG AND VICINITY OF PASIR GUDANG.

TT189

THERE IS A REPORT OF AN UNAUTHORISED BOARDING ON 23 MAR 2025 AT 1210LT IN POSITION LAT 01-24.99N LONG 104-31.16E. MARINERS ARE ADVISED TO KEEP A GOOD LOOK OUT AND MAINTAIN ANTI PIRACY WATCH.

TT188

THERE IS A REPORT OF AN UNAUTHORISED BOARDING ON 23 MAR 2025 AT 0138LT IN POSITION LAT 01-08.43N LONG 103-46.37E.. MARINERS ARE ADVISED TO KEEP A GOOD LOOK OUT AND MAINTAIN ANTI PIRACY WATCH.

TT187

Racon (D) BUOY Q(6) +LFI.15s AT POSITION 01°03.588'N, 103°38.857'E WAS REPORTED UNLIT. ALL VESSELS NAVIGATING IN THE VICINITY ARE ADVISED TO NAVIGATE WITH CAUTION

TT186

THERE IS A REPORT OF AN UNAUTHORISED BOARDING ON 19 MAR 2025 AT 0330LT IN POSITION LAT 01-05.08N LONG 103-43.33E. MARINERS ARE ADVISED TO KEEP A GOOD LOOK OUT AND MAINTAIN ANTI PIRACY WATCH.

TT185

THERE IS A REPORT OF AN UNAUTHORISED BOARDING ON 17 MAR 2025 AT 0532LT IN POSITION LAT 01-12.28N LONG 103-34.03E.. MARINERS ARE ADVISED TO KEEP A GOOD LOOK OUT AND MAINTAIN ANTI PIRACY WATCH.

TT184

THERE IS A REPORT OF AN UNAUTHORISED BOARDING ON 16 MAR 2025 AT 0001T IN POSITION LAT 01-17.558N LONG 104-09.439E.. MARINERS ARE ADVISED TO KEEP A GOOD LOOK OUT AND MAINTAIN ANTI PIRACY WATCH.

## IV

**REPRINT OF MARITIME SAFETY INFORMATION**

TT183

THERE IS A REPORT OF AN UNAUTHORISED BOARDING ON 16 MAR 2025 AT 0856LT IN POSITION LAT 01-29.30N LONG 104-30.40E. MARINERS ARE ADVISED TO KEEP A GOOD LOOK OUT AND MAINTAIN ANTI PIRACY WATCH.

TT175

CABLE VESSEL "ENDEAVOUR" IS CARRYING OUT POST LAY AND BURIAL CABLE WORKS IN THE SINGAPORE STRAIT OF VTIS SECTOR 7, 8 AND 9 FROM NIPAH AREA PASSING SOUTH OF THE EAST-BOUND LANE AND IN THE TSS FROM 01 MAR 2025 TO 30 APR 2025. TRANSITTING VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION, PROCEED AT SAFE SPEED AND KEEP WELL CLEAR OF THE CABLE VESSEL.

TT166

CABLE VESSEL -MICLYN ENTERPRISE- WILL BE CARRYING OUT POST LAY CABLE INSTALLATION IN THE SINGAPORE STRAIT FROM SECTOR 7 NIPAH AREA TO SECTOR 9 HORSBURGH WITHIN SINGAPORE STRAITS WATERWAY MOSTLY SOUTH OF EASTBOUND LANE ON 15 FEB 2025 TO 25TH MARCH 2025. TRANSITTING VESSELS ARE ADVISED TO NAVIGATE WITH CAUTION, PROCEED AT SAFE SPEED AND KEEP WELL CLEAR OF THE CABLE VESSEL.

TT156 (AMENDED ON 02 MAR 2025)

OPERATION TEMPORARY SUSPENDED TILL FURTHER NOTICE

TT147 (AMENDED 122200H JAN 25)

A SUNKEN VESSEL "SILVER SINCERE" HAS BEEN REPORTED AT POSITION LAT 01-17.85N LONG 104-22.82E, APPROXIMATELY 217 DEGREES AND 2.5 NM FROM HORSBURGH LIGHTHOUSE. A VIRTUAL ATON (ISOLATED DANGER MARK) WITH MMSI NUMBER 995636002 HAS BEEN ESTABLISHED AT THE SAME LOCATION TO MARK THE SUNKEN VESSEL.

TT643

THERE IS REPORT OF CONCENTRATION OF FISHING VESSELS OBSERVED IN THE EASTBOUND TRAFFIC LANE IN THE VICINITY BETWEEN BUFFALO ROCK AND BATU BERHANTI. ALL VESSELS ARE ADVISED TO PROCEED AT A SAFE SPEED, KEEP A SHARP LOOKOUT AND NAVIGATE WITH EXTREME CAUTION AT ALL TIME.

TT642

ALL MARINERS NAVIGATING THROUGH THE STRAIT OF SINGAPORE ARE REMINDED TO MAINTAIN CLOSE AND CONTINUOUS MONITORING OF VESSEL-S POSITION. IN DETERMINING RISK OF GROUNDING, DIFFERENT METHODS OF POSITION FIXING SHOULD ALSO BE USED AS MEANS OF CROSS-CHECKING.

TT426

ALL MARINERS ARE REMINDED TO NAVIGATE WITH CAUTION IN THE PRECAUTIONARY AREAS AND TSS ,MAINTAIN A GOOD LOOKOUT FOR CROSSING TRAFFIC. VESSELS INTENDING TO CROSS THE TSS SHALL DO SO ONLY WHEN IT IS SAFE AND SHALL AT ALL TIMES COMPLY WITH THE COLREGS.

TT399

VESSELS ARRIVING TO SINGAPORE OR TRANSITING THROUGH THE STRAIT ARE RECOMMENDED TO UPDATE THEIR DESTINATION ACCURATELY IN THE AIS TO ENHANCE SITUATIONAL AWARENESS FOR OTHER TRAFFIC IN THE VICINITY. EG: SG-PEBGB FOR PILOT EASTERN BOARDING GROUND BRAVO.

TT363

MARINERS ARE REMINDED NOT TO ANCHOR IN ALL AREAS IN THE TSS ,INCLUDING PRECAUTIONARY AREAS OF THE STRAITS OF MALACCA AND SINGAPORE AS WELL AS BETWEEN THE LANDWARD LIMITS OF THE TSS AND APPROACHES TO THE PORTS. VESSELS ENTERING ANY PORT IN ANY LITTORAL STATES ARE TO ANCHOR IN THE ANCHORAGES DESIGNATED BY THE RESPECTIVE LITTORAL STATES. MARINERS ARE ALSO REMINDED THAT EVERY CARE SHOULD BE TAKEN TO AVOID ANCHORING IN THE VICINITY OF SUBMARINE CABLES OR PIPELINES.

## V

# EXTRACT OF ADMIRALTY NOTICES TO MARINERS FOR DUAL BADGED CHARTS


These notices can also be accessed directly from UKHO Website:

<http://www.admiralty.co.uk/maritime-safety-information/admiralty-notices-to-mariners>

## 1065 SINGAPORE - Submarine cable.

Source: SubCom, MPA Singapore and Malaysian Notice 6/114/24

### Chart 4030 [ *previous update 659/25* ] WGS84 DATUM

Insert	submarine cable,  , joining:	1° 12'·946N., 103° 37'·202E. 1° 12'·532N., 103° 37'·108E. 1° 12'·237N., 103° 36'·972E. 1° 12'·024N., 103° 36'·816E. 1° 11'·935N., 103° 36'·700E.
--------	---	--


### Chart 4038 [ *previous update 775/25* ] WGS84 DATUM

Insert	submarine cable,  , joining:	1° 14'·40N., 103° 28'·60E. 1° 13'·89N., 103° 30'·44E. 1° 13'·07N., 103° 32'·85E. 1° 12'·18N., 103° 34'·69E. 1° 12'·06N., 103° 35'·19E. 1° 12'·07N., 103° 35'·94E. 1° 11'·91N., 103° 36'·60E. 1° 11'·97N., 103° 36'·75E. 1° 12'·24N., 103° 36'·97E. 1° 12'·53N., 103° 37'·11E. 1° 12'·95N., 103° 37'·20E.
--------	---	--

### Chart 4039 [ *previous update 659/25* ] WGS84 DATUM

Insert	submarine cable,  , joining:	1° 13'·63N., 103° 31'·20E. 1° 13'·07N., 103° 32'·85E. 1° 12'·18N., 103° 34'·69E. 1° 12'·06N., 103° 35'·19E. 1° 12'·07N., 103° 35'·94E. 1° 11'·91N., 103° 36'·60E. 1° 12'·02N., 103° 36'·82E. 1° 12'·24N., 103° 36'·97E. 1° 12'·53N., 103° 37'·11E. 1° 12'·95N., 103° 37'·20E.
--------	---	--

### Chart 4040 [ *previous update 659/25* ] WGS84 DATUM

Insert	submarine cable,  , joining:	1° 12'·46N., 103° 34'·10E. 1° 12'·18N., 103° 34'·69E. 1° 12'·06N., 103° 35'·19E. 1° 12'·07N., 103° 35'·94E. 1° 11'·91N., 103° 36'·60E. 1° 11'·97N., 103° 36'·75E. 1° 12'·24N., 103° 36'·97E. 1° 12'·53N., 103° 37'·11E. 1° 12'·95N., 103° 37'·20E.
--------	---	--

## V

## EXTRACT OF ADMIRALTY NOTICES TO MARINERS FOR DUAL BADGED CHARTS

These notices can also be accessed directly from UKHO Website:

<http://www.admiralty.co.uk/maritime-safety-information/admiralty-notices-to-mariners>

### 1224\* SINGAPORE - Obstruction.

Source: Maritime and Port Authority of Singapore

**Chart 4038 (Panel C, Tuas Mega Yard)** [ *previous update 1065/25* ] WGS84 DATUM

Insert	 <i>Obstn</i>	1° 15'·842N., 103° 36'·293E.
--------	--	------------------------------

**Chart 4038** [ *previous update 1065/25* ] WGS84 DATUM

Insert	 <i>Obstn</i>	1° 15'·84N., 103° 36'·29E.
--------	--	----------------------------

**Chart 4040** [ *previous update 1065/25* ] WGS84 DATUM

Insert	 <i>Obstn</i>	1° 15'·84N., 103° 36'·29E.
--------	--	----------------------------

### 1247\* SINGAPORE - Buoyage.

Source: Maritime and Port Authority of Singapore

**Chart 4033** [ *previous update 207/25* ] WGS84 DATUM

Delete	 <i>Fl.G.3s EM-Pesek1</i>	1° 17'·462N., 103° 41'·860E.
--------	--	------------------------------

	 <i>Fl.G.3s EM-Pesek2</i>	1° 17'·355N., 103° 41'·789E.
--	--	------------------------------

### 1248\* SINGAPORE - Dredged depth.

Source: Maritime and Port Authority of Singapore

**Chart 4034** [ *previous update 254/25* ] WGS84 DATUM

Amend	dredged depth to, <i>15·9m (2024)</i> , centred on:	1° 16'·169N., 103° 46'·306E.
-------	---	------------------------------

**Chart 4035** [ *previous update 208/25* ] WGS84 DATUM

Amend	dredged depth to, <i>15·9m (2024)</i> , centred on:	1° 16'·169N., 103° 46'·306E.
-------	---	------------------------------

### 1249\* SINGAPORE - Dredged depth.

Source: Maritime and Port Authority of Singapore

**Chart 4037** [ *previous update 229/25* ] WGS84 DATUM

Amend	dredged depth to, <i>13·7m (2024)</i> , centred on:	1° 15'·662N., 103° 50'·366E.
-------	---	------------------------------

### 1252\* SINGAPORE - Dredged depths.

Source: Maritime and Port Authority of Singapore

**Chart 4031** [ *previous update 659/25* ] WGS84 DATUM

Amend	dredged depth to, <i>17·5m (2023)</i> , centred on:	1° 14'·473N., 103° 41'·492E.
	dredged depth to, <i>22·9m (2023)</i> , centred on:	1° 14'·279N., 103° 41'·472E.
	dredged depth to, <i>10·2m (2023)</i> , centred on:	1° 14'·216N., 103° 41'·191E.



## V

## EXTRACT OF ADMIRALTY NOTICES TO MARINERS FOR DUAL BADGED CHARTS

These notices can also be accessed directly from UKHO Website:

<http://www.admiralty.co.uk/maritime-safety-information/admiralty-notices-to-mariners>

### 1252\* SINGAPORE - Dredged depths. (continued)

Source: Maritime and Port Authority of Singapore

#### Chart 4031 [ *previous update 659/25* ] WGS84 DATUM

Amend	dredged depth to, 10·4m (2023) , centred on:	1° 14'·159N., 103° 41'·135E.
	dredged depth to, 19·3m (2023) , centred on:	1° 14'·128N., 103° 41'·273E.
	dredged depth to, 23·7m (2023) , centred on:	1° 14'·143N., 103° 41'·360E.
	dredged depth to, 10·5m (2023) , centred on:	1° 14'·100N., 103° 41'·076E.
	dredged depth to, 17·4m (2023) , centred on:	1° 14'·070N., 103° 41'·220E.
	dredged depth to, 10·2m (2023) , centred on:	1° 14'·047N., 103° 41'·024E.
	dredged depth to, 10·8m (2023) , centred on:	1° 14'·007N., 103° 40'·984E.
	dredged depth to, 23·6m (2023) , centred on:	1° 14'·002N., 103° 41'·158E.
	dredged depth to, 23·7m (2023) , centred on:	1° 13'·984N., 103° 41'·216E.
	dredged depth to, 10·6m (2023) , centred on:	1° 13'·955N., 103° 40'·971E.

#### Chart 4032 [ *previous update 265/25* ] WGS84 DATUM

Amend	dredged depth to, 17·5m (2023) , centred on:	1° 14'·473N., 103° 41'·492E.
	dredged depth to, 22·9m (2023) , centred on:	1° 14'·279N., 103° 41'·472E.
	dredged depth to, 10·2m (2023) , centred on:	1° 14'·216N., 103° 41'·191E.
	dredged depth to, 10·4m (2023) , centred on:	1° 14'·159N., 103° 41'·135E.
	dredged depth to, 19·3m (2023) , centred on:	1° 14'·128N., 103° 41'·273E.
	dredged depth to, 23·7m (2023) , centred on:	1° 14'·143N., 103° 41'·360E.
	dredged depth to, 10·5m (2023) , centred on:	1° 14'·100N., 103° 41'·076E.
	dredged depth to, 17·4m (2023) , centred on:	1° 14'·070N., 103° 41'·220E.
	dredged depth to, 10·2m (2023) , centred on:	1° 14'·047N., 103° 41'·024E.
	dredged depth to, 10·8m (2023) , centred on:	1° 14'·007N., 103° 40'·984E.
	dredged depth to, 23·6m (2023) , centred on:	1° 14'·002N., 103° 41'·158E.
	dredged depth to, 23·7m (2023) , centred on:	1° 13'·984N., 103° 41'·216E.
	dredged depth to, 10·6m (2023) , centred on:	1° 13'·955N., 103° 40'·971E.

### 1255\* SINGAPORE - Buoy.

Source: Maritime and Port Authority of Singapore

Note: Former Notice 605(T)/25 is cancelled.

#### Chart 4041 [ *previous update 710/25* ] WGS84 DATUM

Delete	 Fl.Y.5s DHI-CESS-2	1° 19'·16N., 104° 03'·13E.
--------	--	----------------------------

#### Chart 4042 [ *previous update 390/25* ] WGS84 DATUM

Delete	 Fl.Y.5s DHI-CESS-2	1° 19'·16N., 104° 03'·13E.
--------	--	----------------------------

#### Chart 4043 [ *previous update 5975/24* ] WGS84 DATUM

Delete	 Fl.Y.5s DHI-CESS-2	1° 19'·16N., 104° 03'·13E.
--------	--	----------------------------

#### Chart 4044 [ *previous update 5183/24* ] WGS84 DATUM

Delete	 Fl.Y.5s DHI-CESS-2	1° 19'·16N., 104° 03'·13E.
--------	--	----------------------------

## V

## EXTRACT OF ADMIRALTY NOTICES TO MARINERS FOR DUAL BADGED CHARTS

These notices can also be accessed directly from UKHO Website:

<http://www.admiralty.co.uk/maritime-safety-information/admiralty-notices-to-mariners>

### 1304(T)/25 SINGAPORE - Buoy.

Source: Maritime and Port Authority of Singapore

1. A sunken buoy, 'SOPS-I' has been reported in position 1° 23'·188N., 103° 58'·064E. within the vicinity of Loyang Offshore Supply Base.
2. A marker buoy has been established in the same position.
3. Mariners are advised to navigate with caution in the area.

(WGS84 DATUM)

**Charts affected - 4043 - 4044**

### 1315(P)/25 SINGAPORE - Anchorage area. Fairway. Channel. Buoyage.

Source: Maritime and Port Authority of Singapore

1. The Very Large Crude Carrier Anchorage (AVLCC) in position 1° 13'·112N., 103° 39'·031E. will be discontinued, and the boundaries of Temasek Fairway and West Jurong Channel will be revised. These changes will come into effect on 1 March 2025, 0001 hours (SGT); 28 February 2025, 1601 (UTC).
2. Refer to PMC 03 of 2025: Media Centre | Maritime & Port Authority of Singapore (MPA)
3. The amendments to the Second and Third Schedules of the Maritime and Port Authority of Singapore (Port) Regulations, as amended by the Maritime and Port Authority of Singapore (Port) (Amendment) Regulations 2025, will be published in the Gazette on 28 February 2025. An electronic copy of the Maritime and Port Authority of Singapore (Port) (Amendment) Regulations 2025 can be downloaded from <http://www.egazette.gov.sg> on or after 28 February 2025, 1700 hours (SGT); 28 February 2025, 0900 hours (UTC).
4. The revision will also include the re-location of the navigational buoys.
5. Mariners are advised to navigate with caution in the area.
6. These changes will be included in notices to mariners and in the next new edition of charts 4030, 4031 and 4033, 4038 and 4040.

(WGS84 DATUM)

**Charts affected - 4030 - 4031 - 4033 - 4038 - 4040**

### 1400\* SINGAPORE - Legend. Maritime limit. Works.

Source: Maritime and Port Authority of Singapore

**Chart 4031** [ *previous update 1252/25* ] WGS84 DATUM

Insert maritime limit, pecked line, joining:

1° 15'·777N., 103° 39'·272E.

1° 15'·690N., 103° 39'·061E.

1° 13'·442N., 103° 39'·968E.

1° 13'·337N., 103° 40'·202E.

1° 13'·351N., 103° 40'·250E.

legend, Works in progress (2025), centred on:

1° 14'·623N., 103° 39'·618E.

## V

# EXTRACT OF ADMIRALTY NOTICES TO MARINERS FOR DUAL BADGED CHARTS

These notices can also be accessed directly from UKHO Website:

<http://www.admiralty.co.uk/maritime-safety-information/admiralty-notices-to-mariners>

## 1400\* SINGAPORE - Legend. Maritime limit. Works. (continued)

### Chart 4032 [ previous update 1252/25 ] WGS84 DATUM

Insert	maritime limit, pecked line, joining:	1° 13'·338N., 103° 40'·200E.
		1° 13'·351N., 103° 40'·250E.
		1° 13'·474N., 103° 40'·200E.
	legend, Works in progress (2025), centred on:	1° 13'·324N., 103° 40'·256E.

### Chart 4033 [ previous update 1247/25 ] WGS84 DATUM

Insert	maritime limit, pecked line, joining:	1° 15'·000N., 103° 39'·585E.
		1° 15'·777N., 103° 39'·272E.
		1° 15'·690N., 103° 39'·061E.
		1° 15'·000N., 103° 39'·339E.
	legend, Works in progress (2025), centred on:	1° 15'·294N., 103° 39'·307E.






### Chart 4039 [ previous update 1065/25 ] WGS84 DATUM

Insert	maritime limit, pecked line, joining:	1° 13'·70N., 103° 39'·86E.
		1° 13'·44N., 103° 39'·97E.
		1° 13'·34N., 103° 40'·20E.
		1° 13'·35N., 103° 40'·25E.
		1° 13'·70N., 103° 40'·11E.
	legend, Works in progress (2025), centred on:	1° 13'·54N., 103° 40'·04E.

## 1447\* SINGAPORE - Buoyage.

Source: Maritime and Port Authority of Singapore

### Chart 4030 [ previous update 1065/25 ] WGS84 DATUM

Insert	 Fl(3)R.15s TMS-1	1° 14'·495N., 103° 38'·961E.
	 Fl.R.2s Temasek	1° 13'·030N., 103° 39'·515E.
Amend	designation of light-buoy to, TMS-2	1° 16'·198N., 103° 38'·707E.
Delete	 Fl.R.4s TMS 2	1° 15'·238N., 103° 38'·806E.
	former  Fl(3)R.15s TMS 1	1° 14'·533N., 103° 39'·144E.
	former  Fl.R.2s Temasek	1° 13'·782N., 103° 39'·500E.

## V






# EXTRACT OF ADMIRALTY NOTICES TO MARINERS FOR DUAL BADGED CHARTS

These notices can also be accessed directly from UKHO Website:


<http://www.admiralty.co.uk/maritime-safety-information/admiralty-notices-to-mariners>

## 1447\* SINGAPORE - Buoyage. (continued)

### Chart 4031 [ previous update 1400/25 ] WGS84 DATUM

Insert	 <i>Fl(3)R.15s TMS-1</i>	1° 14'·495N., 103° 38'·961E.
	 <i>Fl.R.2s Temasek</i>	1° 13'·030N., 103° 39'·515E.
Delete	 <i>Fl.R.4s TMS-2</i>	1° 15'·238N., 103° 38'·806E.
	former  <i>Fl(3)R.15s TMS 1</i>	1° 14'·533N., 103° 39'·144E.
	former  <i>Fl.R.2s Temasek</i>	1° 13'·782N., 103° 39'·500E.

### Chart 4033 [ previous update 1400/25 ] WGS84 DATUM

Amend	designation of light-buoy to, <i>TMS-2</i>	1° 16'·198N., 103° 38'·707E.
Delete	 <i>Fl.R.4s TMS-2</i>	1° 15'·238N., 103° 38'·806E.

### Chart 4039 [ previous update 1400/25 ] WGS84 DATUM

Insert	 <i>Fl.R.2s Temasek</i>	1° 13'·03N., 103° 39'·53E.
--------	--	----------------------------

## 1524\* SINGAPORE - Fairways. Legend. Anchorage area. Maritime limit.

Source: Maritime and Port Authority of Singapore

### Chart 4032 [ previous update 1400/25 ] WGS84 DATUM

Insert	limit of fairway, pecked line, joining:	1° 13'·064N., 103° 40'·378E.
		1° 13'·319N., 103° 40'·279E.
		1° 13'·515N., 103° 40'·200E.

### Chart 4039 [ previous update 1447/25 ] WGS84 DATUM

Insert	limit of fairway, pecked line, joining:	1° 13'·70N., 103° 40'·13E.
		1° 13'·32N., 103° 40'·28E.
		1° 13'·06N., 103° 40'·38E.
		and
		1° 12'·78N., 103° 39'·61E.
		1° 13'·03N., 103° 39'·52E.
		1° 13'·70N., 103° 39'·26E.
	maritime limit, pecked line, joining:	1° 13'·41N., 103° 39'·37E.
		1° 13'·41N., 103° 38'·72E.
		(a) 1° 13'·29N., 103° 38'·48E.
		1° 12'·81N., 103° 38'·72E.

**V**  
**EXTRACT OF ADMIRALTY NOTICES TO MARINERS**  
**FOR DUAL BADGED CHARTS**

These notices can also be accessed directly from UKHO Website:

<http://www.admiralty.co.uk/maritime-safety-information/admiralty-notices-to-mariners>

Delete	limit of anchorage area, pecked line, joining:	1° 13'·70N., 103° 39'·34E.
		(a) above
		1° 12'·64N., 103° 38'·80E.
		(b) 1° 12'·97N., 103° 39'·48E.
		1° 13'·70N., 103° 39'·50E.
	legend, <i>Very Large Crude Carrier</i> ½(AVLCC), centred on:	1° 13'·20N., 103° 39'·00E.
	limit of fairway, pecked line, joining:	(b) above
		1° 12'·73N., 103° 39'·47E.

**1551\* SINGAPORE - Buoy.**

Source: Maritime and Port Authority of Singapore


**Chart 4037** [ *previous update 1249/25* ] WGS84 DATUM

Insert	 MS-42	1° 16'·423N., 103° 52'·397E.
--------	---	------------------------------

**1555\* SINGAPORE - Buoy.**

Source: Maritime and Port Authority of Singapore

**Chart 4044** [ *previous update 1255/25* ] WGS84 DATUM

Insert	 Fl.Y.5s DHI-NCW-02	1° 27'·30N., 103° 46'·46E.
--------	--	----------------------------

## **HYDROGRAPHIC NOTE - Instructions**

1. Mariners are requested to notify the Chief Hydrographer, Maritime and Port Authority of Singapore, when new or suspected dangers to navigation are discovered, changes are observed in aids to navigation or where corrections to nautical publications may be necessary. Reports, which cannot be confirmed or are lacking in certain details, should not be withheld.
2. Any ambiguities of time, positioning and depth should be stressed and any firm expectation of being able to check the information provided on a following voyage should be mentioned.
3. Mariners using satellite position fixing systems, eg. GPS, should provide details of equipment and datum used (where applicable). Where bearings (true or magnetic) are taken visually or by radar to fix a position, it should include more than two objects in order to provide a check on its accuracy. A position may also be defined by bearing and distance from a conspicuous object eg. beacon, lighthouse etc.
4. The note should include a tracing or a digital image of the chart used and the details should be clearly marked.
5. Echo sounders frequently register greater depths than the advertised maximum depth for the equipment, eg. a trace appearing at 50 metres may be in fact be 550 metres or even 1050 metres for equipment whose maximum depth is 500 metres. Erroneous depths caused by 2nd transmission error can usually be recognised by the following:
  - (a) the tracing being weaker than normal for the depth registered,
  - (b) the trace appearing to pass through the transmission line,
  - (c) the feathery nature of the trace.
6. Upon receipt of a hydrographic note, a Notice to Mariners may be issued. The sender's vessel or name is quoted as the source unless the same information is also received in foreign Notices to Mariners.
7. Reports of shoals, uncharted dangers and defects in aids to navigation may also be made to the appropriate Singapore Port Operations Control Centre on VHF Channels 10, 12, 14, 68 or 73.

## HYDROGRAPHIC NOTE

To:  
Chief Hydrographer  
Maritime and Port Authority of Singapore  
7B Keppel Road #20-00 Tanjong Pagar Complex  
Singapore 089055

Tel : 1800 272 7777 / (65) 6272 7777  
Email : [hydrographic@mpa.gov.sg](mailto:hydrographic@mpa.gov.sg)

### **Sender's Contact Details** :

Date : .....  
Name of Vessel : .....  
Address of Sender : .....  
Tel : .....  
Email : .....

### **Nature of Observation** :

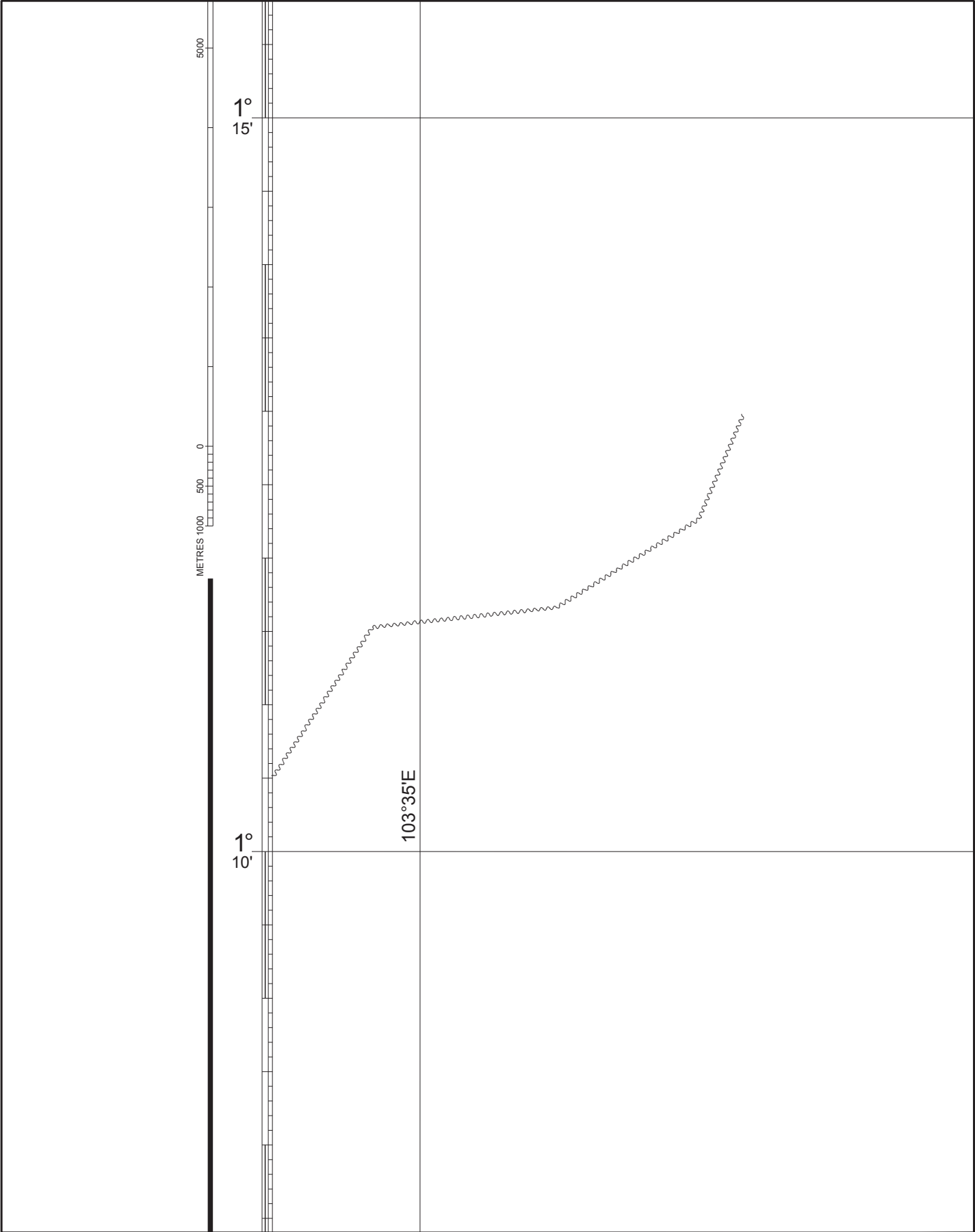
General Location : .....  
Subject : .....  
Position : Lat. .... Long. ....  
Charts Used : .....  
Date & Time of Observation : .....  
Details : .....  
.....  
.....  
Attachment : .....

### **Equipment Used** :

Type of Position Fixing : GPS/DGPS Others : .....  
Type of Echo Sounder : .....

Name and Signature : .....

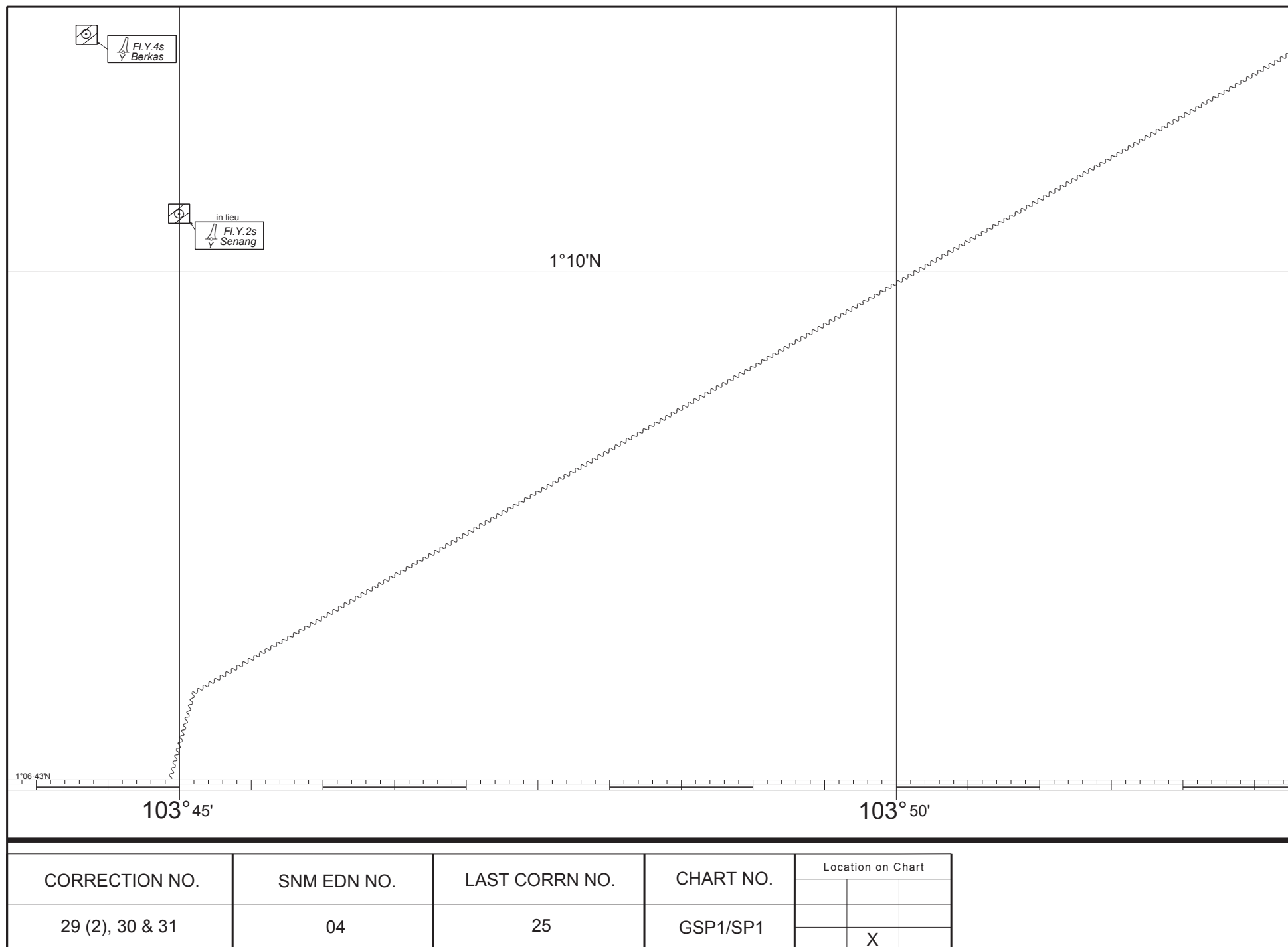
Ship's/Company's Stamp : .....



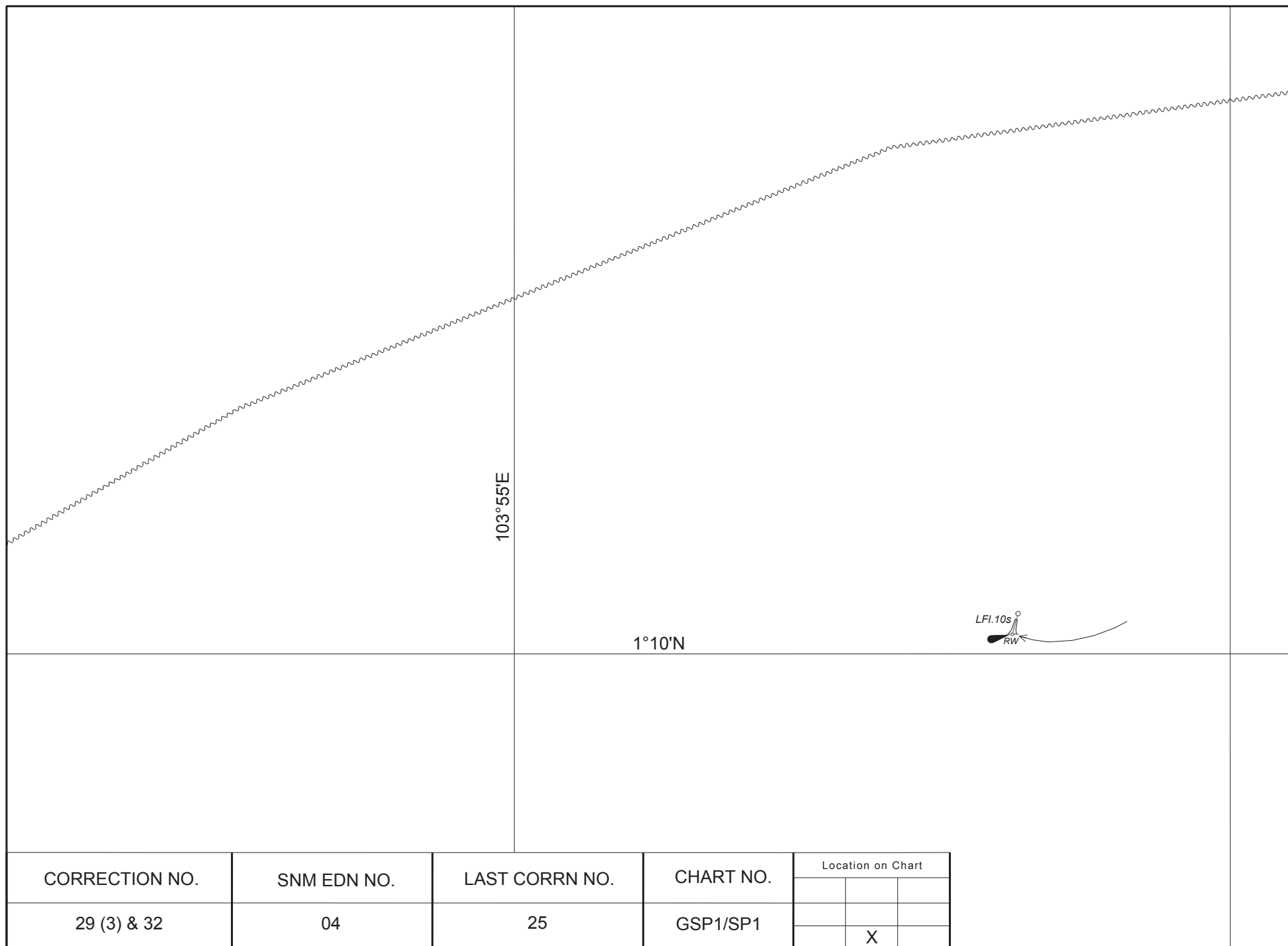
CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
29 (1)	04	25	GSP1/SP1	X		

Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer

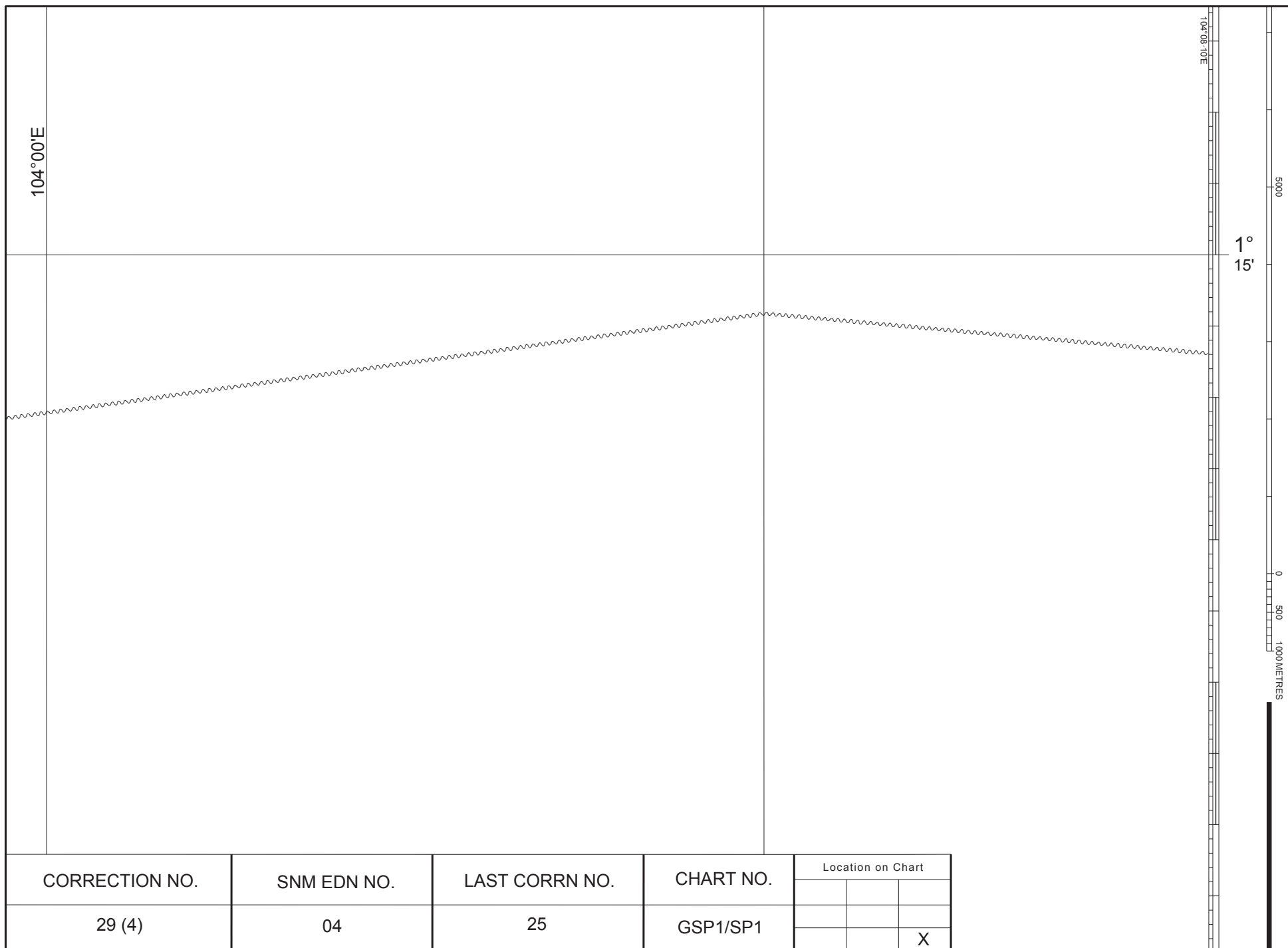




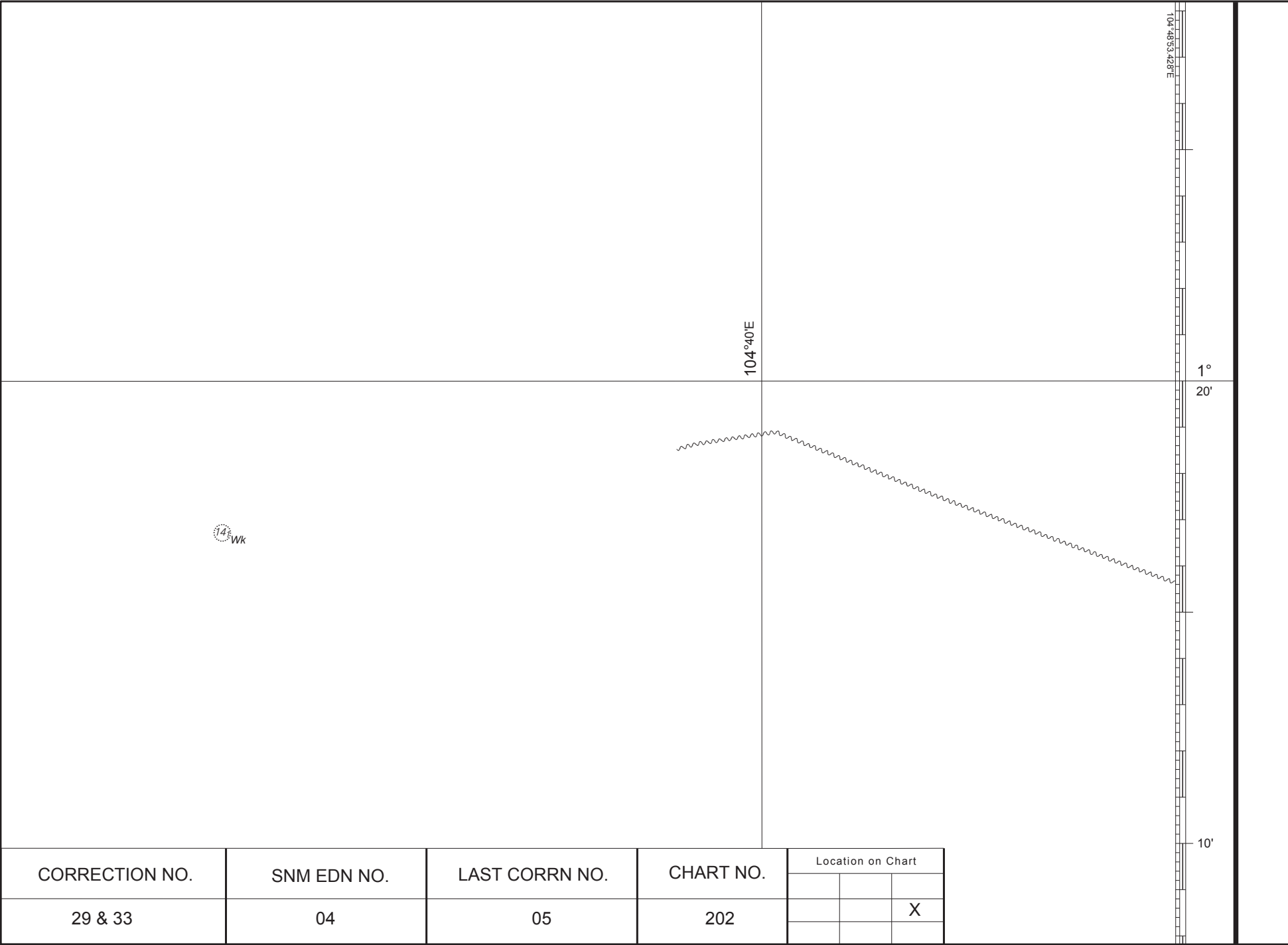
Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer



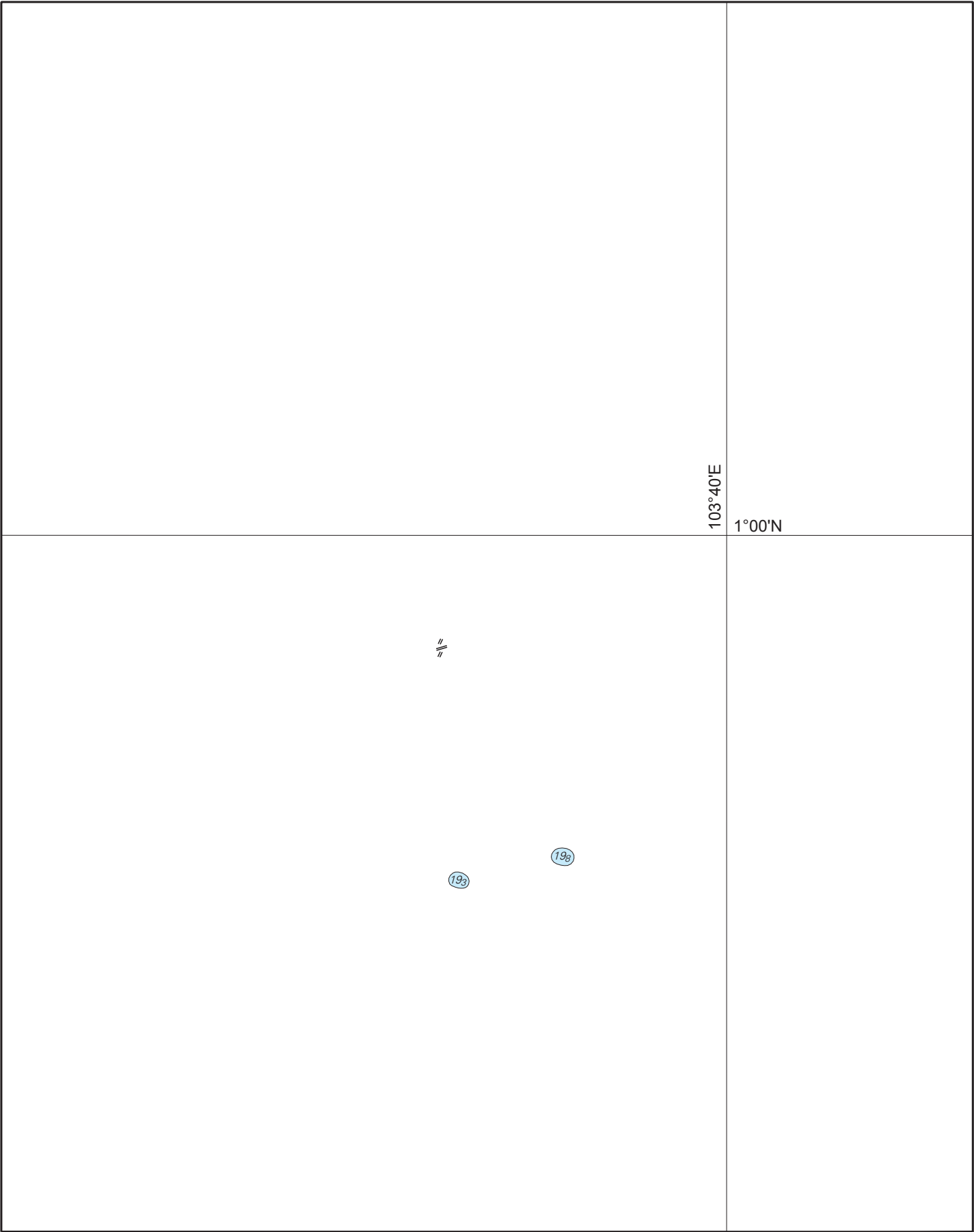
Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer



Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer

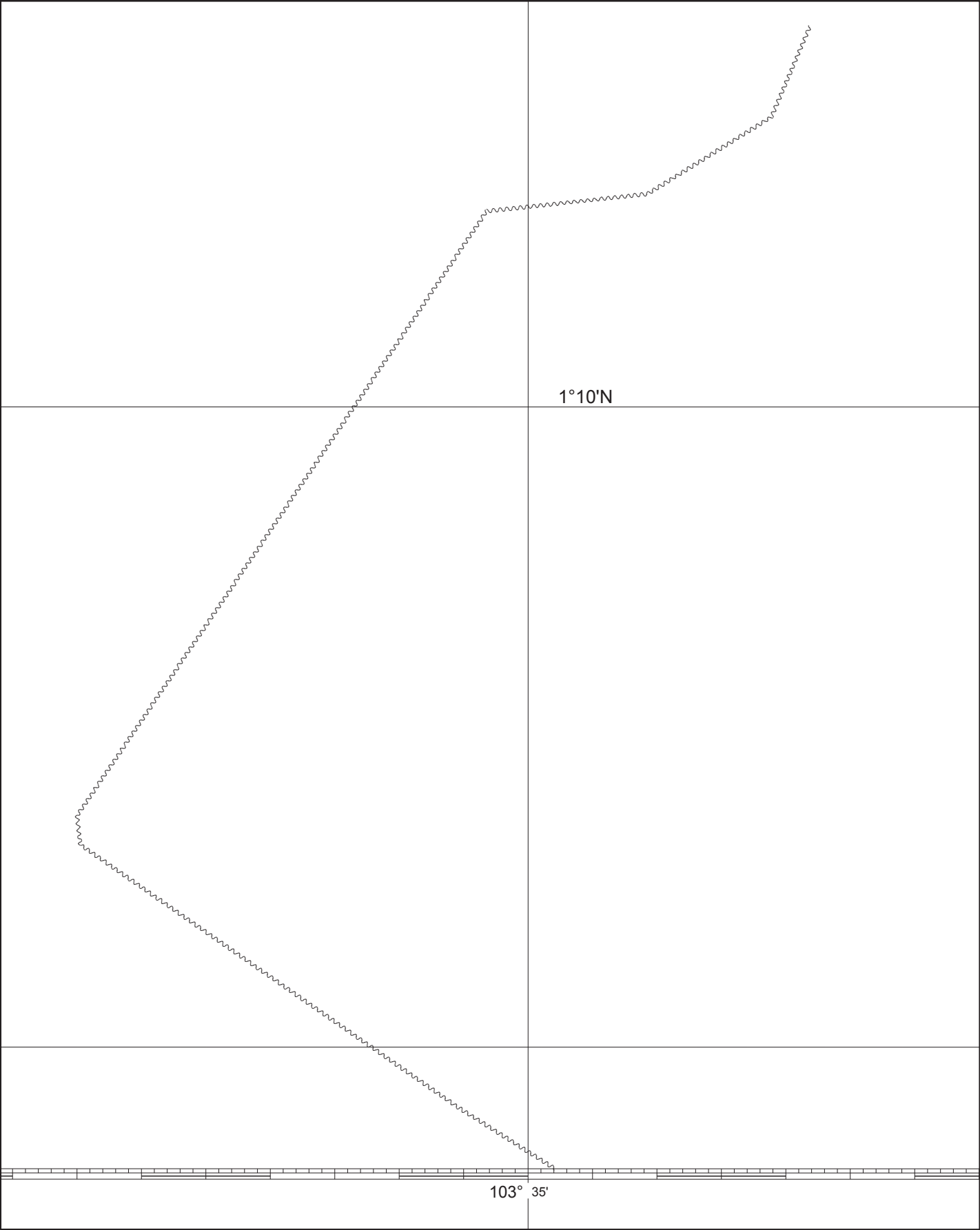


Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer

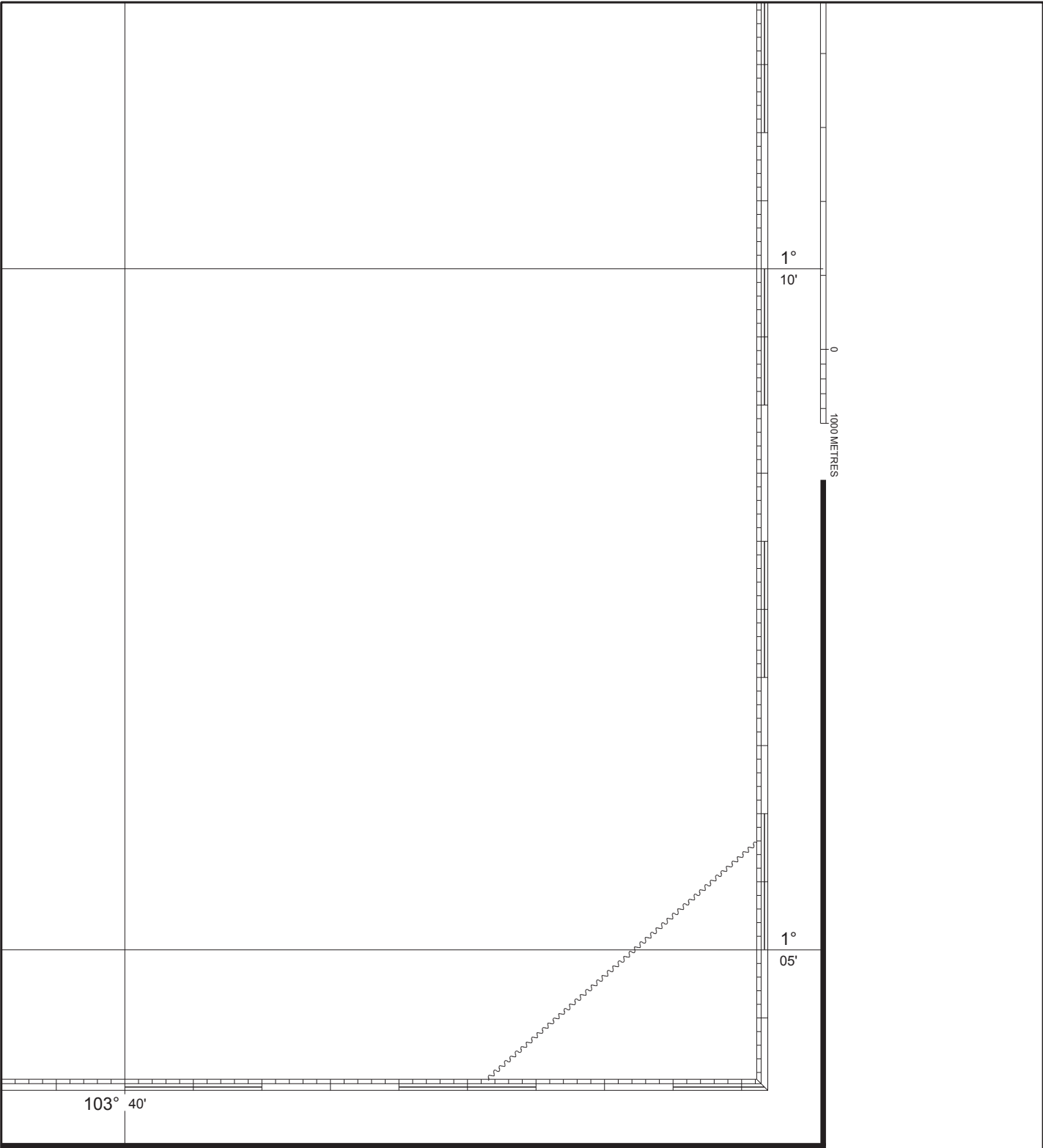


CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
34 & 35	04	33	202	X		

Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer

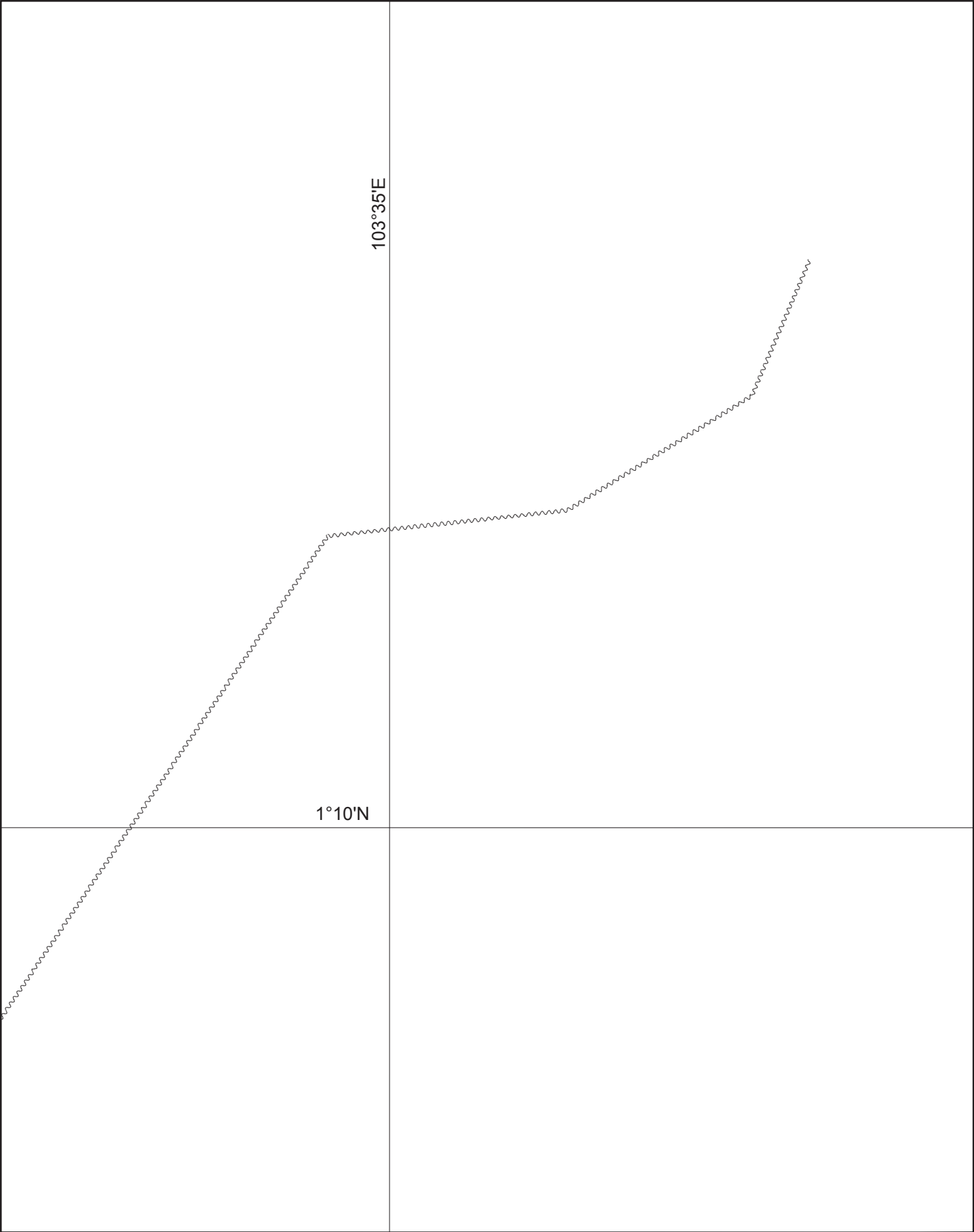


Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer



CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
29 (2)	04	25	500			X

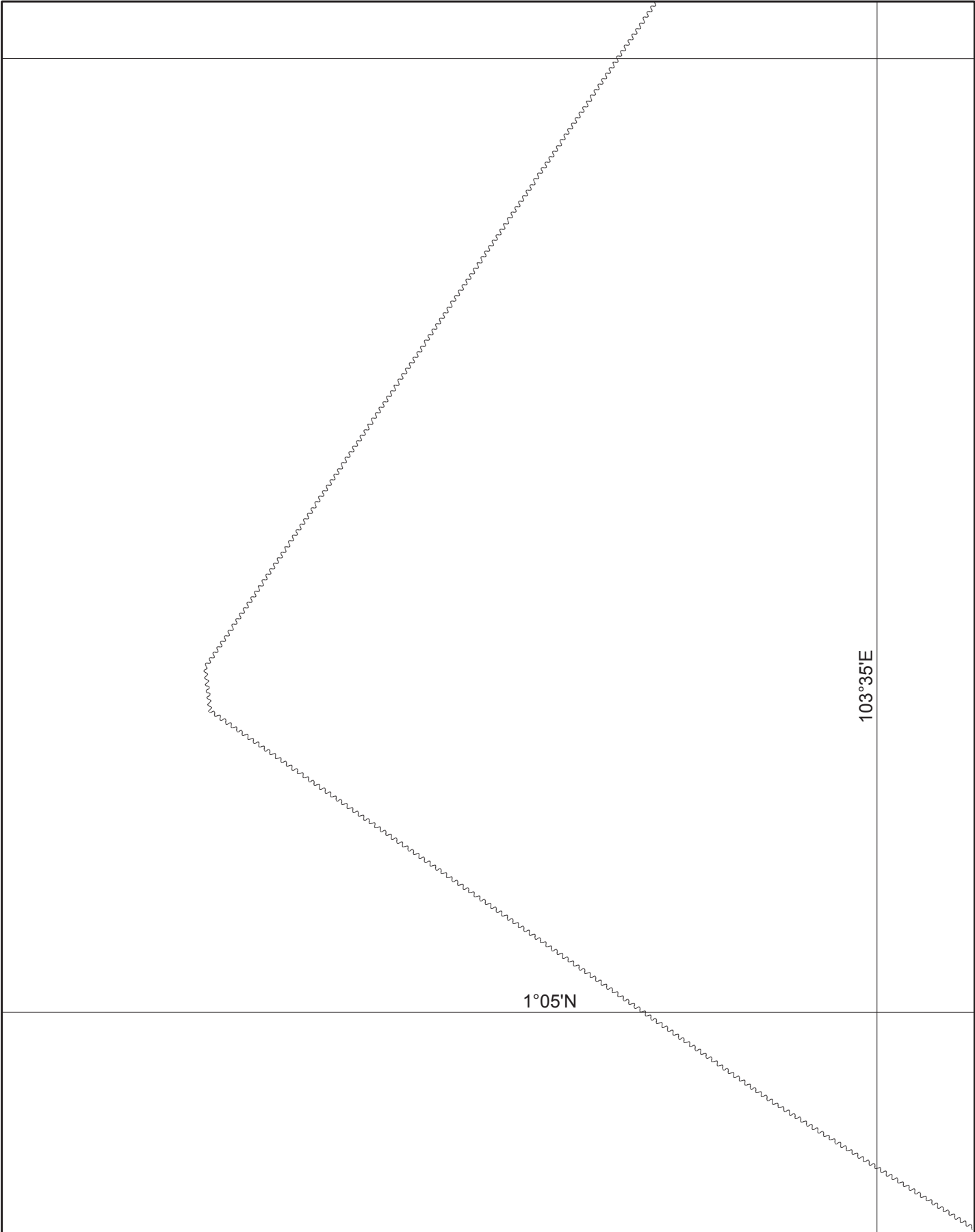
Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer



CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
				X		
29 (1)	04	26	501			

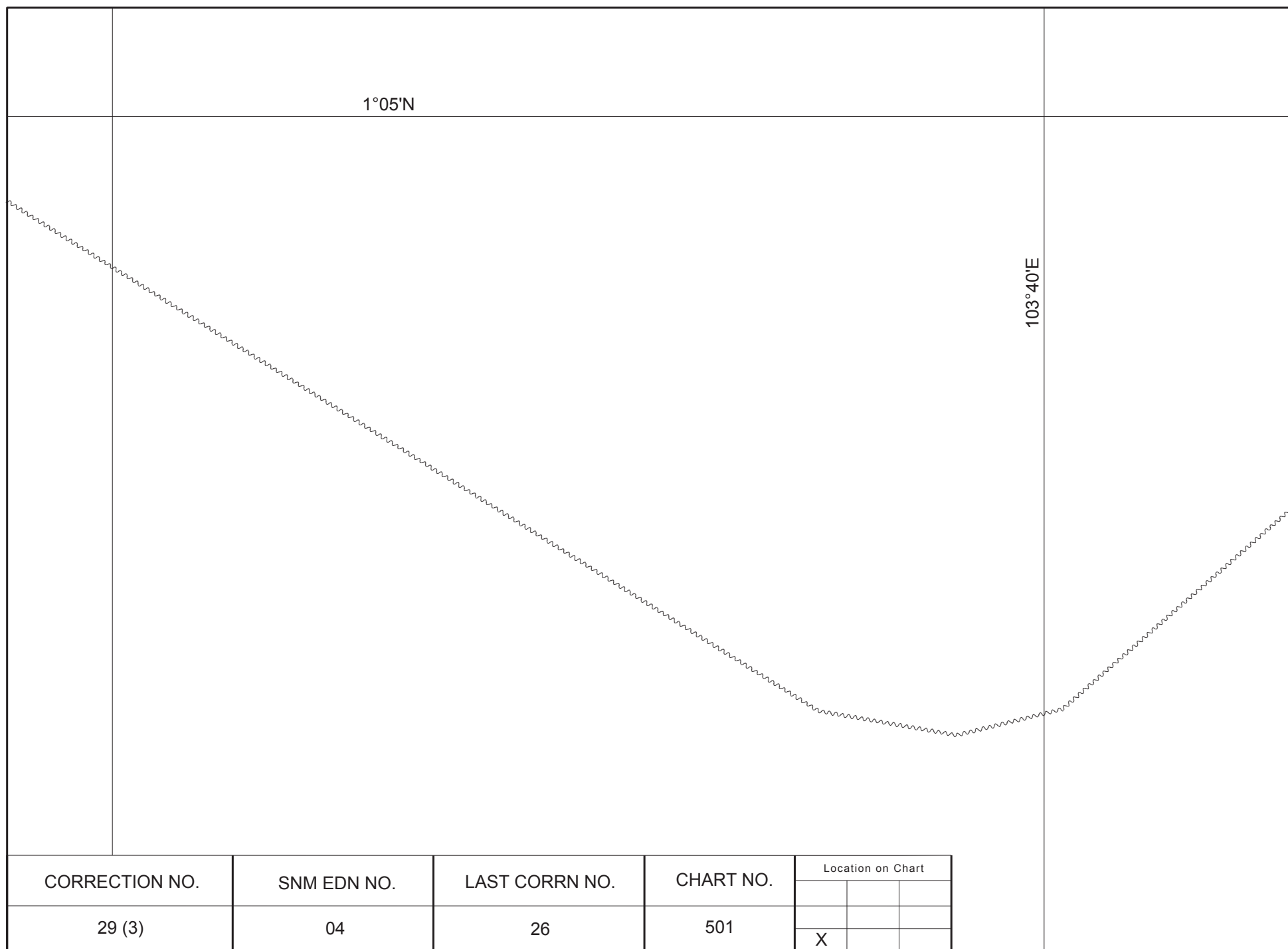
Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer

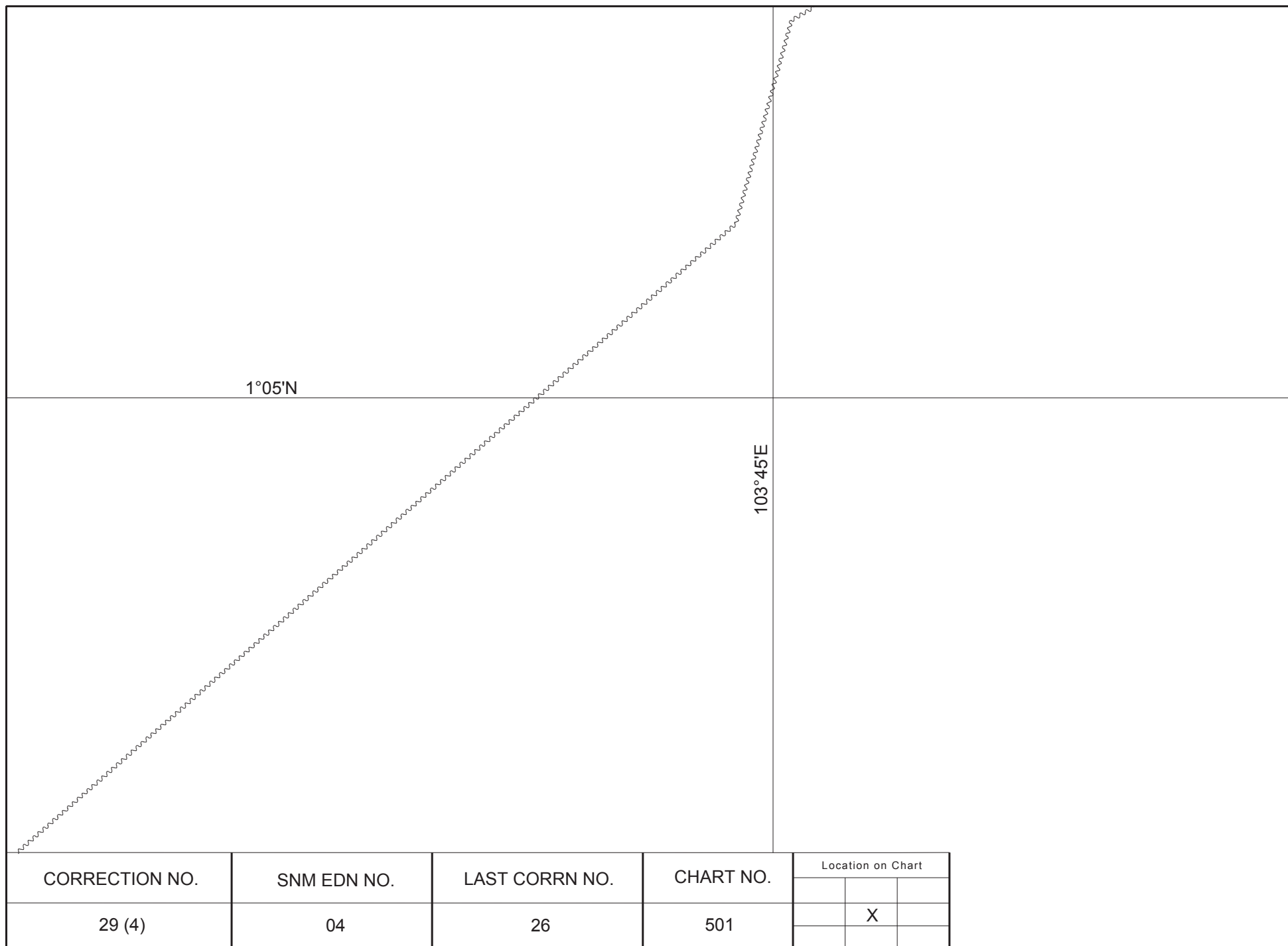




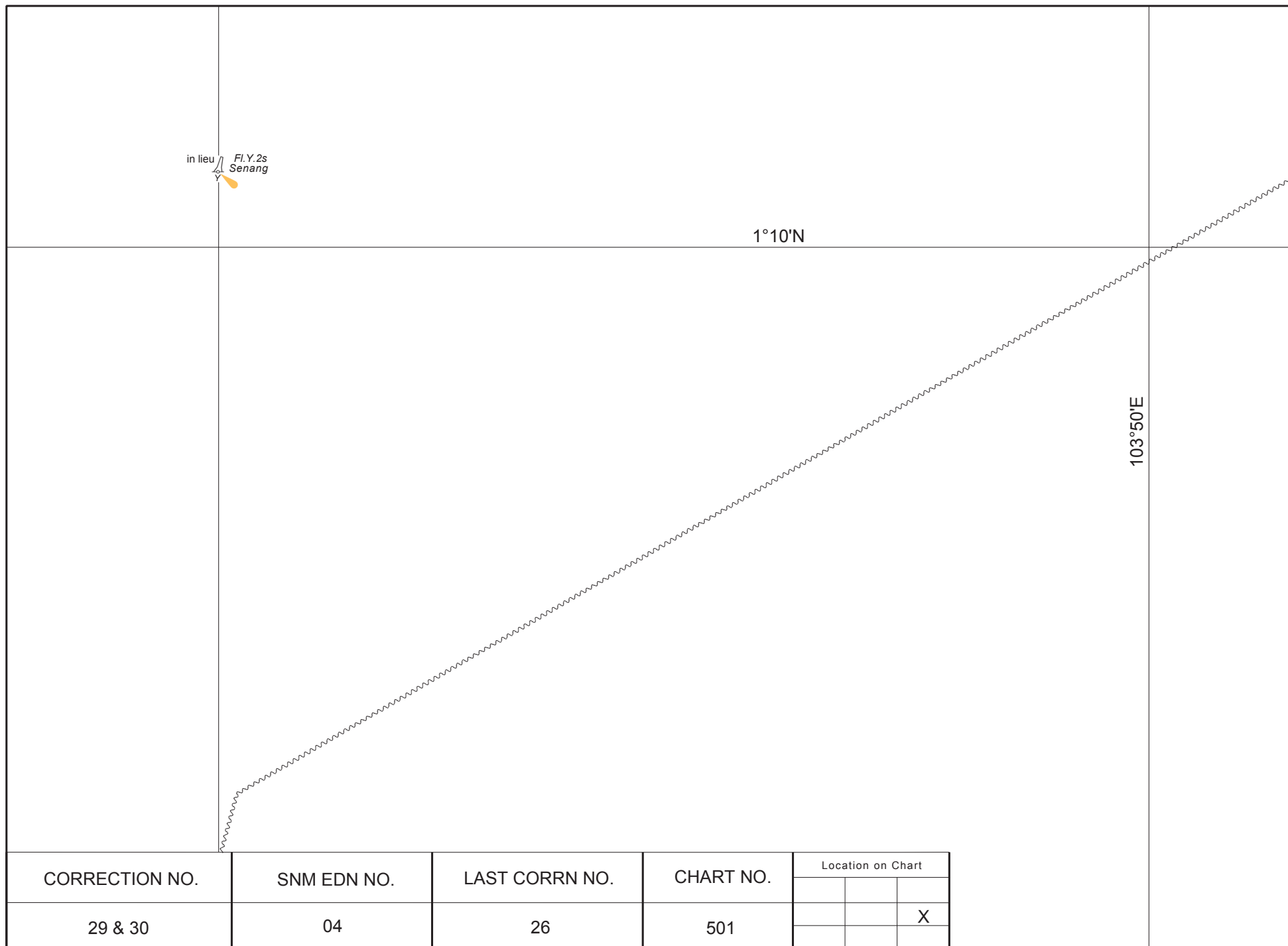
CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
29 (2)	04	26	501	X		

Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer

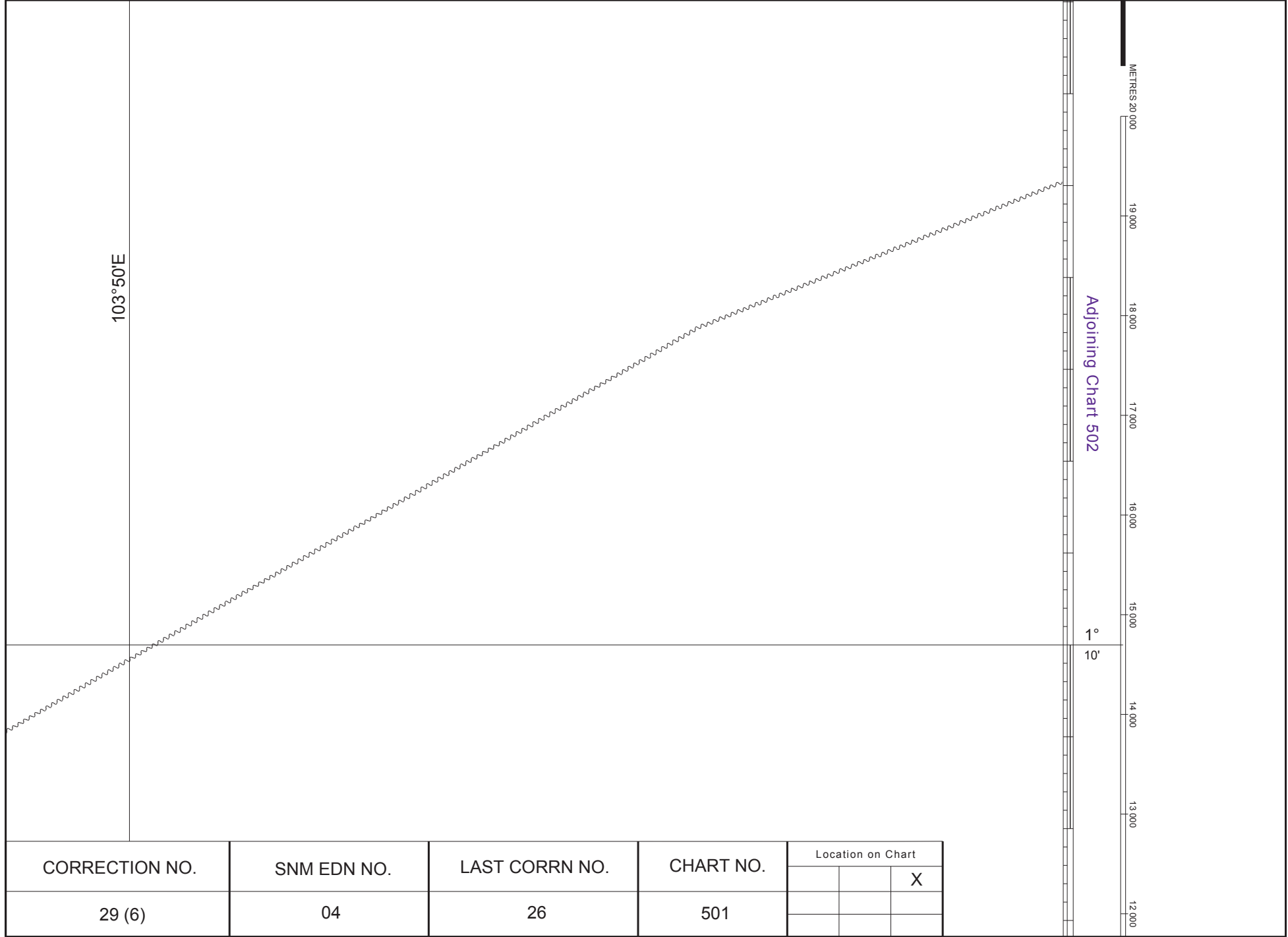




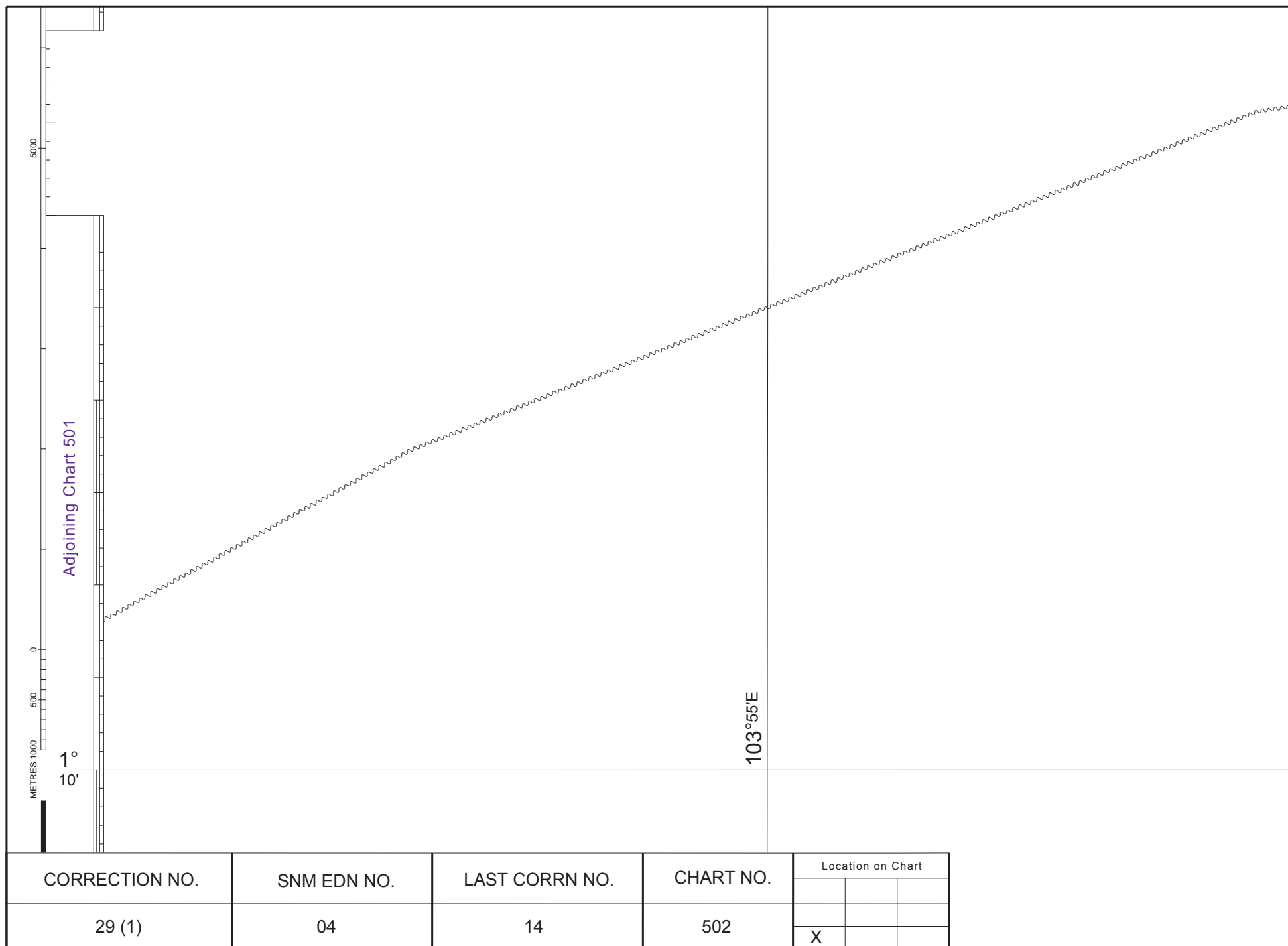
Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer



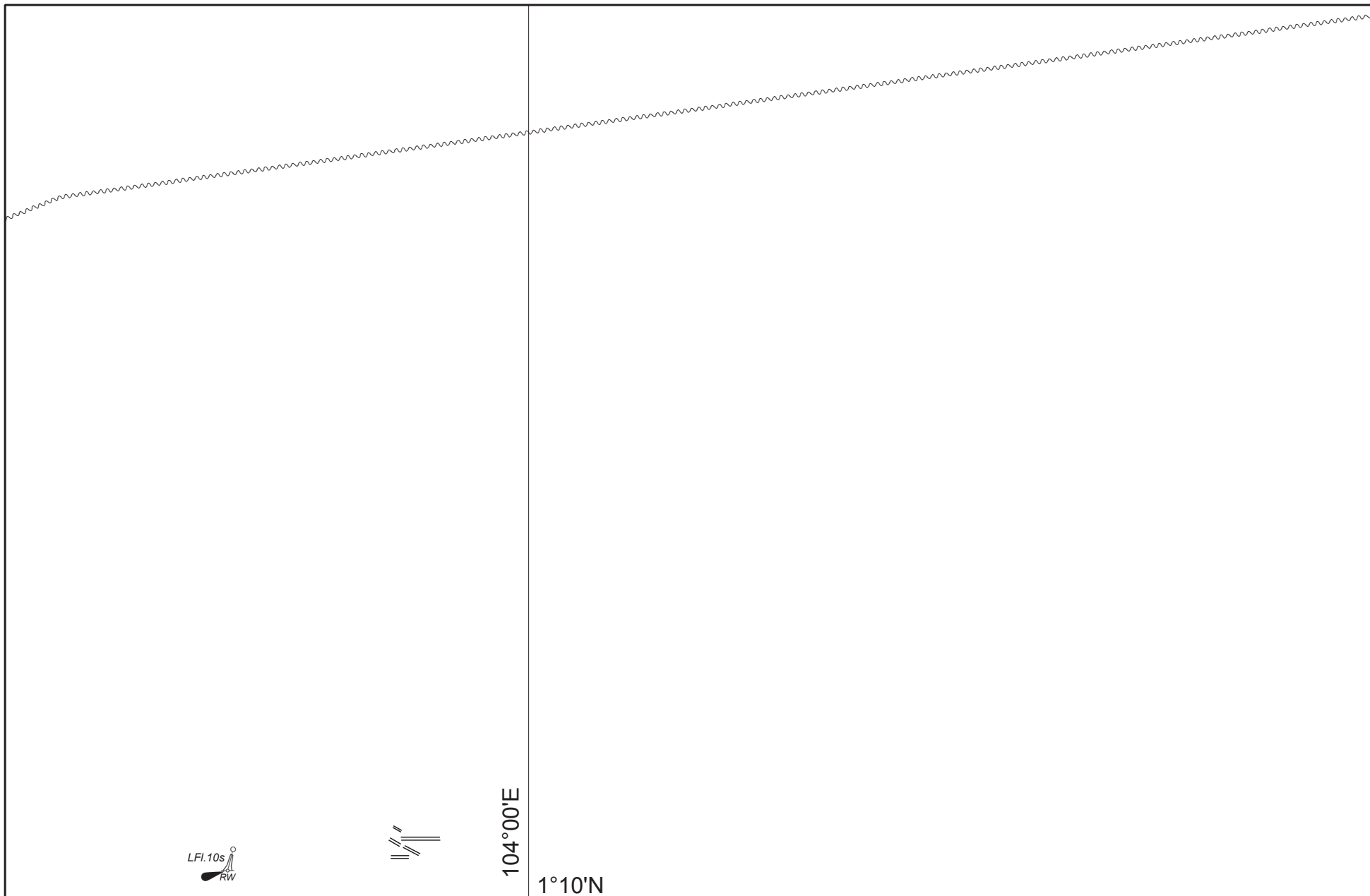
Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer



Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer

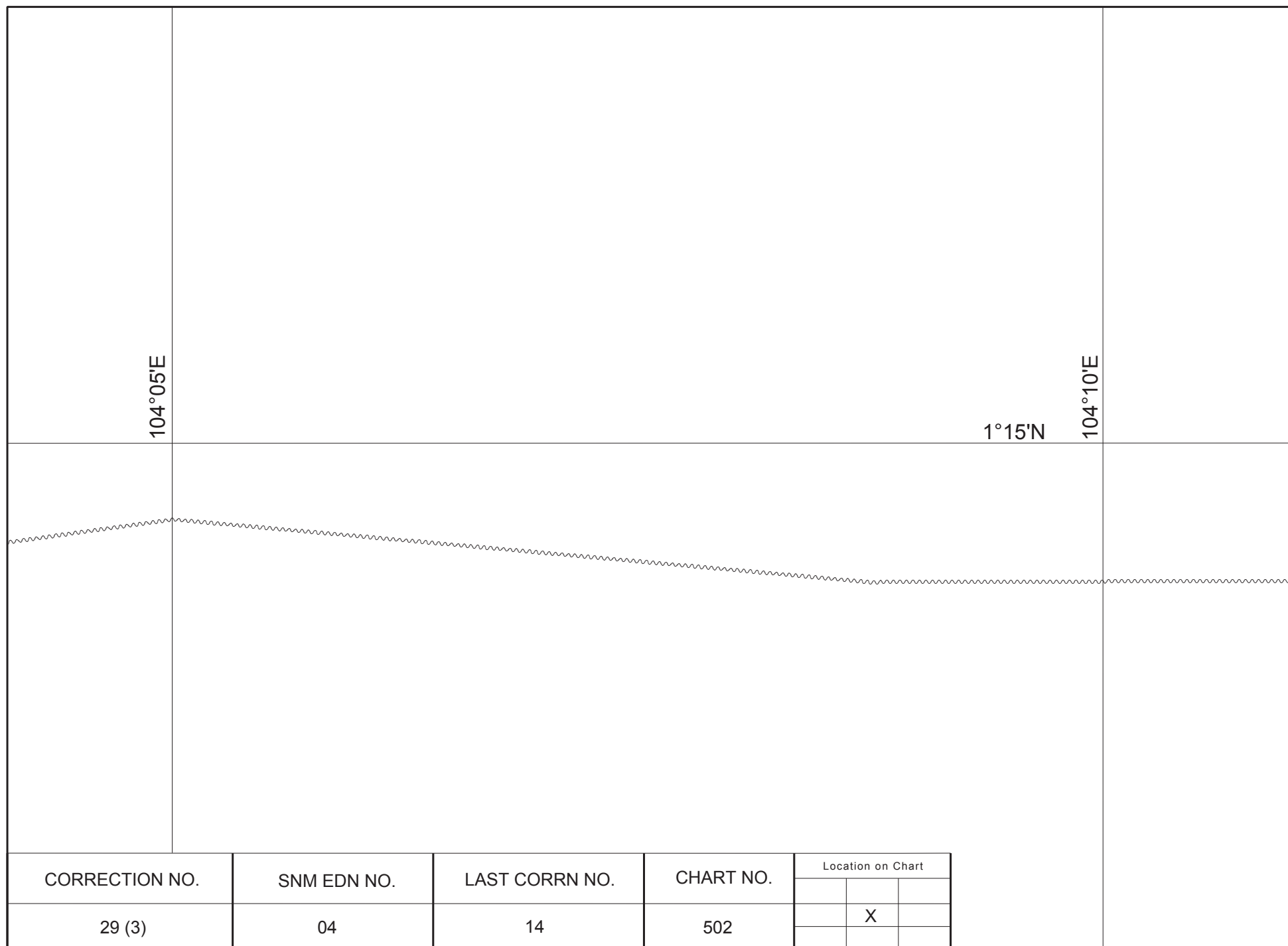


Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer



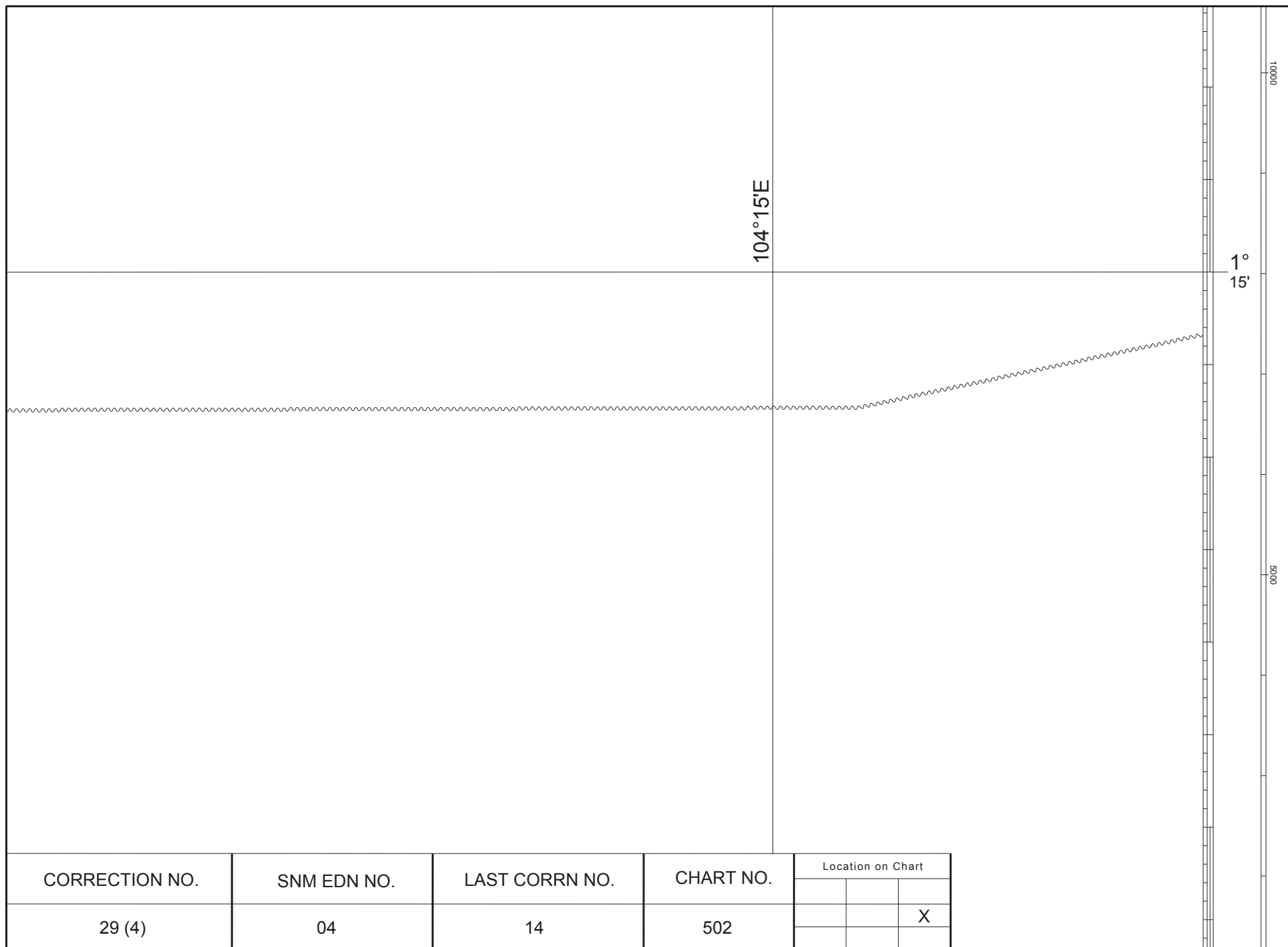
CORRECTION NO.	SNM EDN NO.	LAST CORR N NO.	CHART NO.	Location on Chart		
				X		

Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer

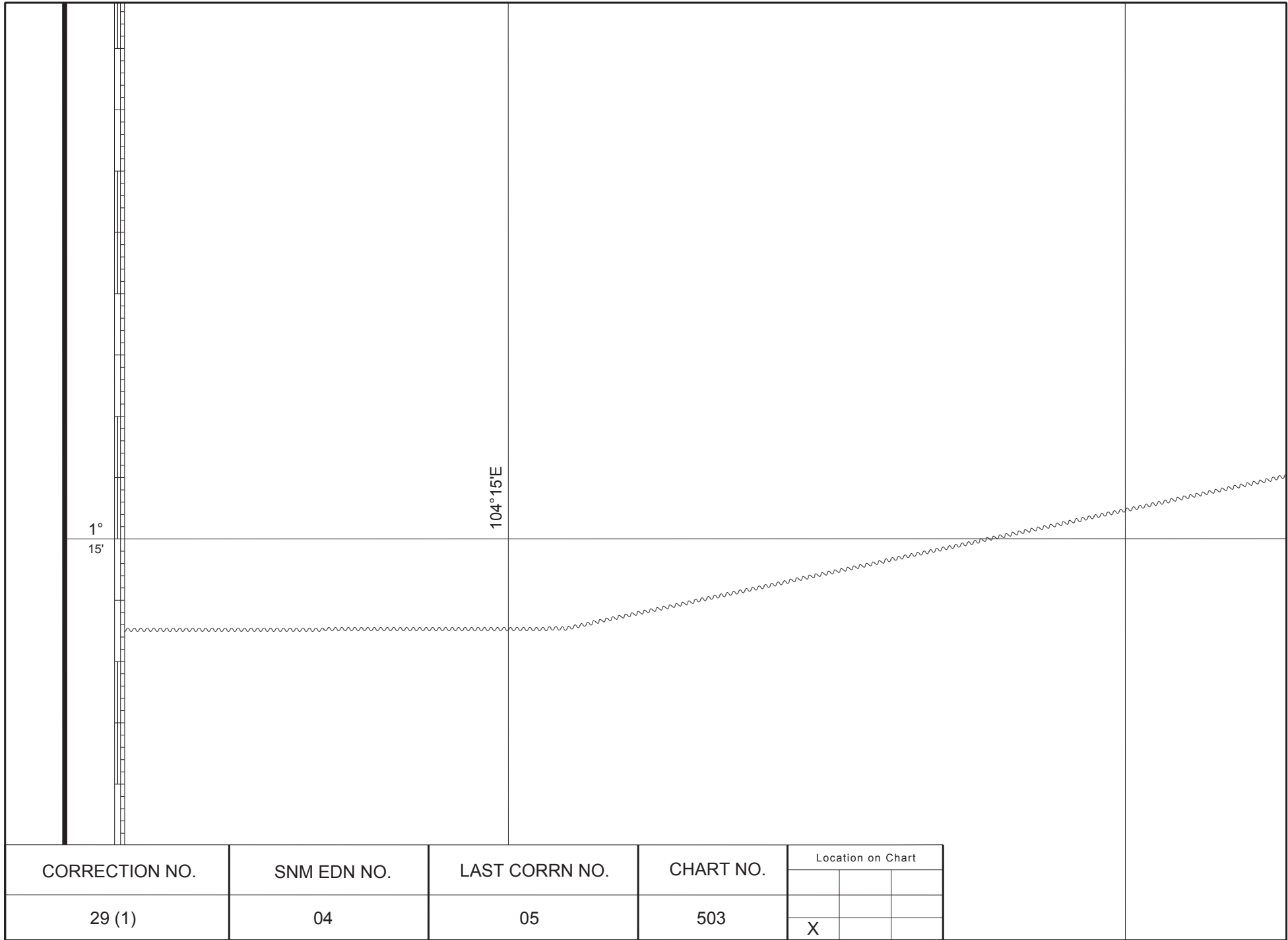


Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer

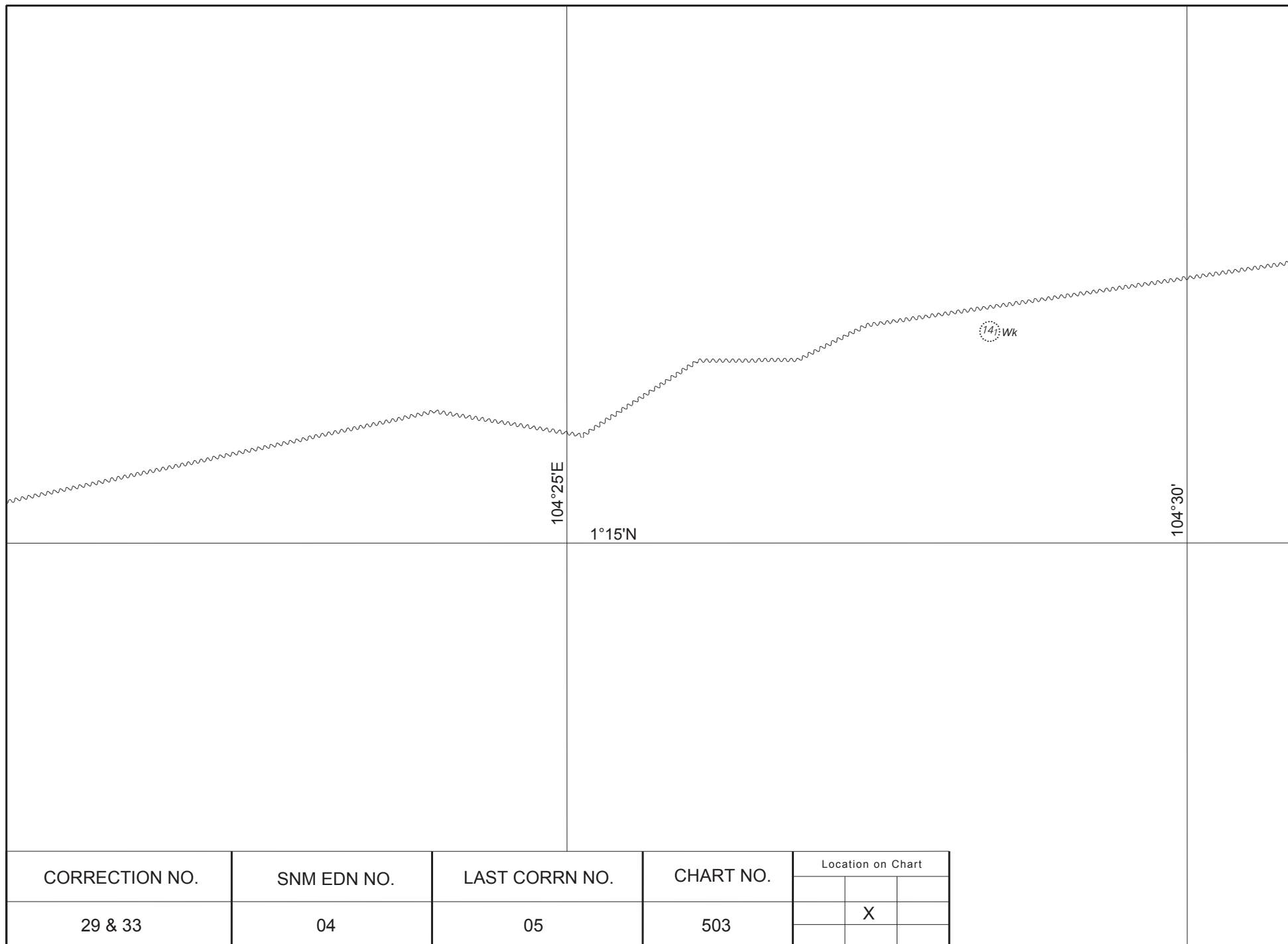




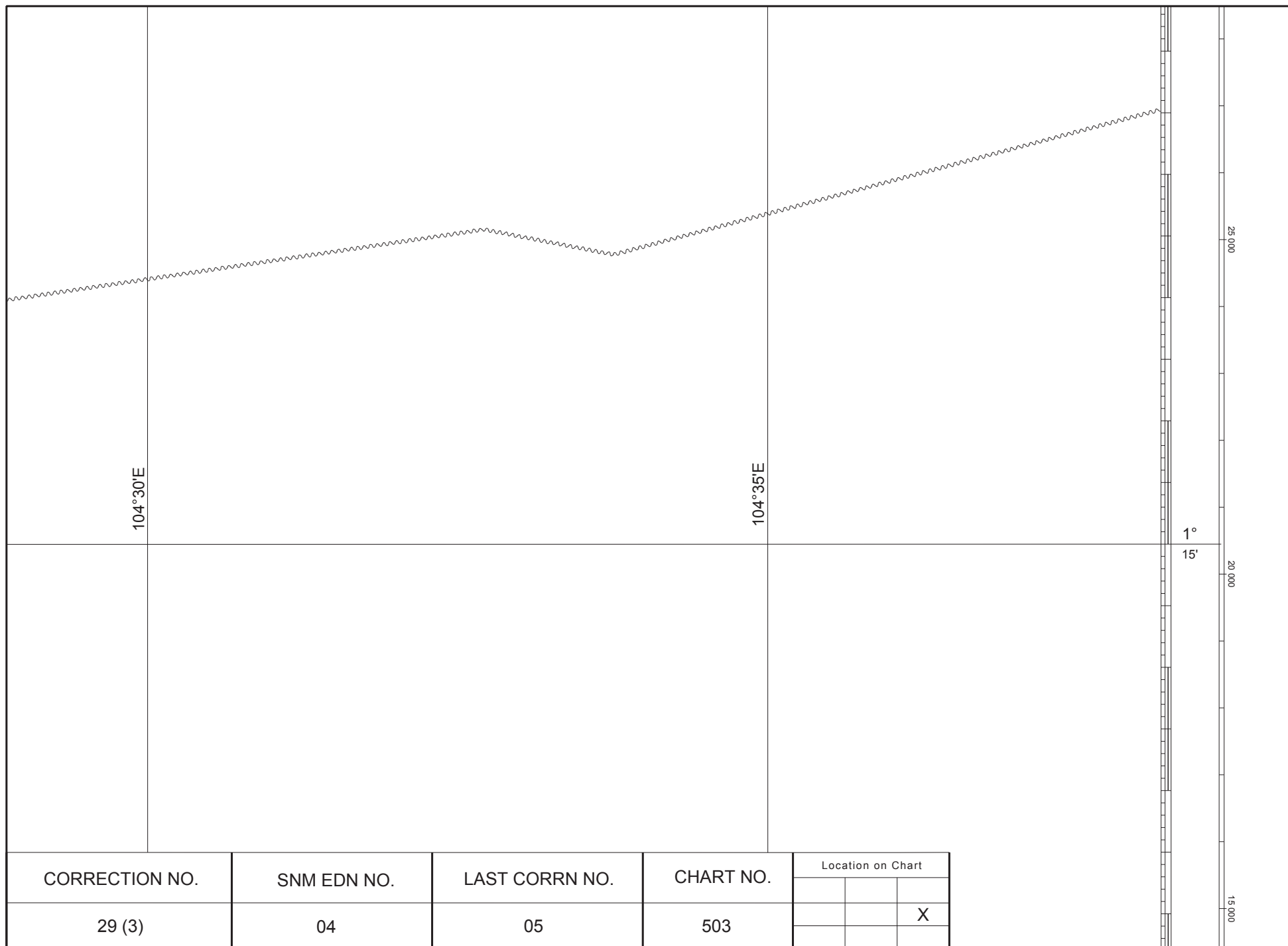
Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer



Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer



Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer



Caution : some computer printers might distort the tracings.  
Users are advised to check and, if necessary, adjust settings on the printer