Testing for Asia "Zion" Rule changes

Using source downloaded today (7/7/2019) I recompiled with RAD Studio Rio:

- TZdbLib.dll
- TZtest.exe
- TZvisualizer.exe

Also recompiled for good measure were:

- TZcompile.exe
- TZDBpk.bpl

Ran the Visualiser (see screenshots at

The Table below (copied from an Excel.xlsm file) shows the expected and actual results. ("TZtest" in heading should have been "TZvisualizer"!)

Year	Last Day of March	Last Sunday in March	Start DST (Note 1)	TZtest (Notes 2, 3, 4)
2005	Thursday, 31 March 2005	Sunday, 27 March 2005	Friday, 25 March 2005	Friday, 1 April 2005
2006	Friday, 31 March 2006	Sunday, 26 March 2006	Friday, 24 March 2006	Friday, 31 March 2006
2007	Saturday, 31 March 2007	Sunday, 25 March 2007	Friday, 23 March 2007	Friday, 30 March 2007
2008	Monday, 31 March 2008	Sunday, 30 March 2008	Friday, 28 March 2008	Friday, 28 March 2008
2009	Tuesday, 31 March 2009	Sunday, 29 March 2009	Friday, 27 March 2009	Friday, 27 March 2009
2010	Wednesday, 31 March 2010	Sunday, 28 March 2010	Friday, 26 March 2010	Friday, 26 March 2010
2011	Thursday, 31 March 2011	Sunday, 27 March 2011	Friday, 25 March 2011	Friday, 1 April 2011
2012	Saturday, 31 March 2012	Sunday, 25 March 2012	Friday, 23 March 2012	Friday, 30 March 2012
2013	Sunday, 31 March 2013	Sunday, 31 March 2013	Friday, 29 March 2013	Friday, 29 March 2013
2014	Monday, 31 March 2014	Sunday, 30 March 2014	Friday, 28 March 2014	Friday, 28 March 2014
2015	Tuesday, 31 March 2015	Sunday, 29 March 2015	Friday, 27 March 2015	Friday, 27 March 2015
2016	Thursday, 31 March 2016	Sunday, 27 March 2016	Friday, 25 March 2016	Friday, 25 March 2016
2017	Friday, 31 March 2017	Sunday, 26 March 2017		Friday, 24 March 2017
2018			•	Friday, 23 March 2018
2019	Sunday, 31 March 2019	Sunday, 31 March 2019	Friday, 29 March 2019	Friday, 29 March 2019
2020	Tuesday, 31 March 2020	Sunday, 29 March 2020	Friday, 27 March 2020	Friday, 27 March 2020
Notes				
1	https://en.wikipedia.org/wiki/ls			
2	Using 2019b DB - Asia/Jerusa			
3	Correct for rule "Fri<=1"			
4	However, the rule appears to l	be wrong for 2005, 06, 07,	11, 12	

The following screenshots detail the tests for each year:

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Time zone abbreviation: GM Time zone display name: IST UTC bias (from universal time Invalid time from 29/03/2	(wall clock) is not a T+02 [≥): 02:00:00 (019 2:00:00 to 2	djusted and follows the standard rules.	ve been adiusted accordinly.
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Daylight time from 29/03/ In this period the local time (Time zone abbreviation: GM Time zone display name: ID1 UTC bias (from universal time	(wall clock) is adjus T+03 F	27/10/2019 0:59:59: ited by a specified amout of time (usually an hour). It is considered	f "summer" time.
Ambiguous time from 27/: In this period the local time (Time zone abbreviation: <d Time zone display name: <d UTC bias (from universal time</d </d 	wall dock) can be epends on setti epends on setti	treated either as being in DST or as begin in standard mode. ngs> ings>	
Standard time from 27/10 In this period the local time (Time zone abbreviation: GM Time zone display name: IST UTC bias (from universal time	wall dock) is not a T+02 F	o 31/12/2019 23:59:59: djusted and follows the standard rules.	
(a) Timezone Visualizer			– 🗆 X
Select the time zone			
O Local (OS managed)			
Specify custom	Asia/Jerusalem		~
Specify the year:	2020		Show Timezone information
<u>Standard</u> time from 1/01 / In this period the local time (Time zone abbreviation: GM Time zone display name: IST UTC bias (from universal time	(wall dock) is not a T+02 F	2020 1:59:59: djusted and follows the standard rules.	
Invalid time from 27/03/2 In this period the local time (Time zone abbreviation: <nu Time zone display name: <nu UTC bias (from universal time</nu </nu 	(wall clock) is invali one> one>	17/03/2020 2:59:59: d. This hour does not "exist" in this time zone. The dock should ha	ve been adjusted accordinly.
Davlight time from 27/03/ In this period the local time (Time zone abbreviation: GM Time zone display name: IDT UTC bias (from universal time	(wall dock) is adjus T+03 F	25/10/2020 0:59:59: ted by a specified amout of time (usually an hour). It is considered	1 "summer" time.
Ambiguous time from 25/3 In this period the local time (Time zone abbreviation: <do Time zone display name: <d UTC bias (from universal time</d </do 	wall dock) can be epends on setti epends on setti	treated either as being in DST or as begin in standard mode. ngs> ings>	
Standard time from 25/10 In this period the local time (Time zone abbreviation: GM Time zone display name: ISI UTC bias (from universal time	wall dock) is not a T+02 F	o 31/12/2020 23:59:59: djusted and follows the standard rules.	

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